



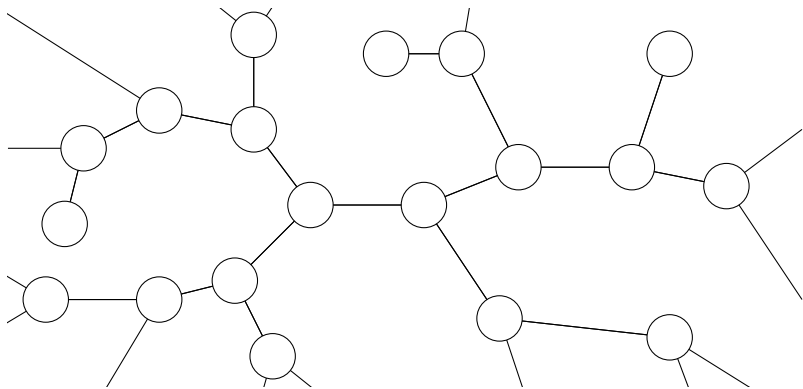
Aalto University
School of Science

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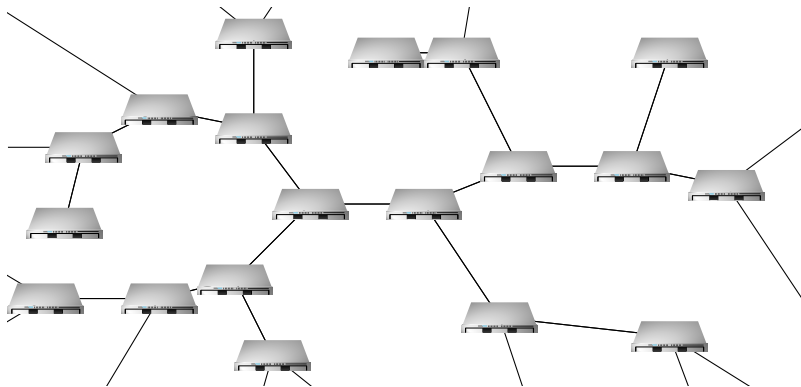
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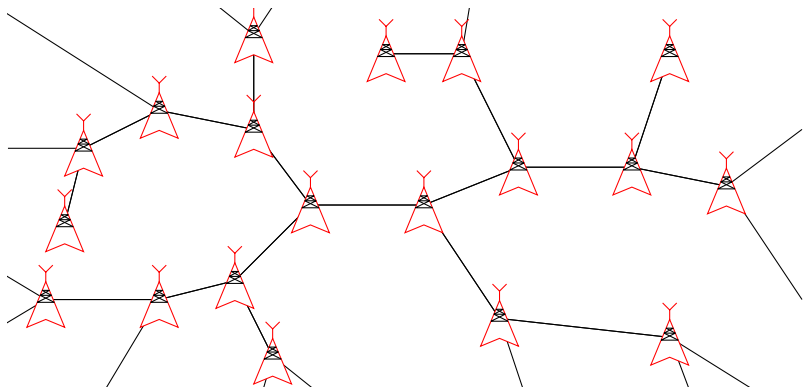
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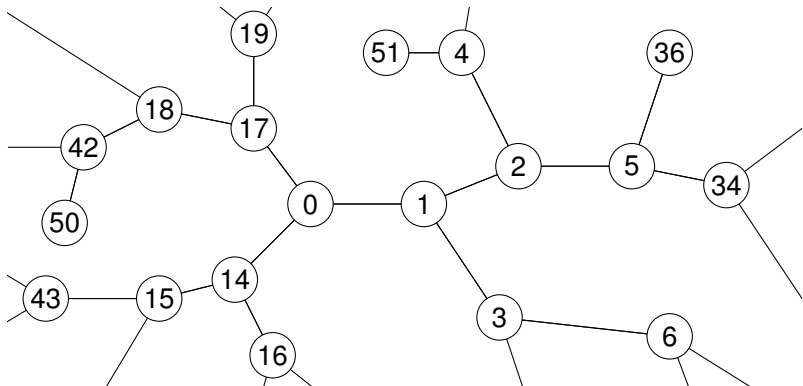
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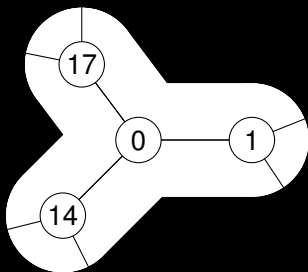
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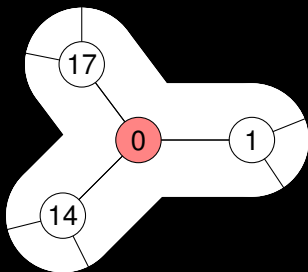
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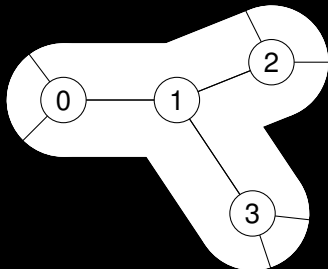
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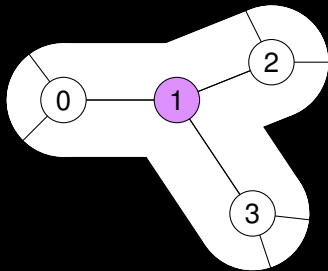
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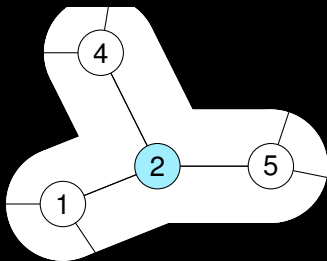
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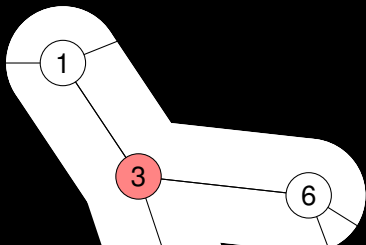
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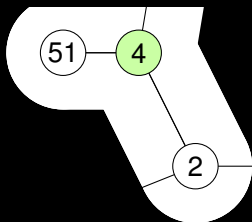
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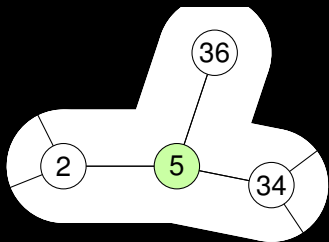
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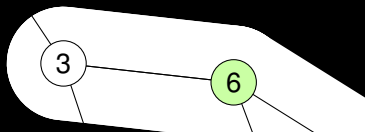
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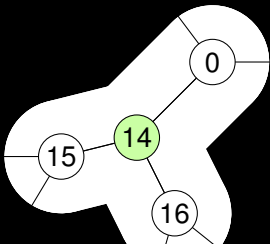
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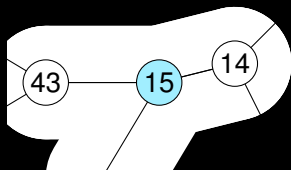
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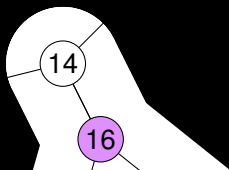
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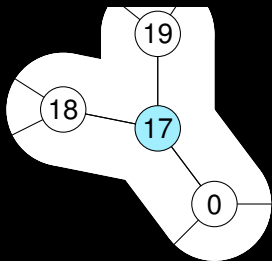
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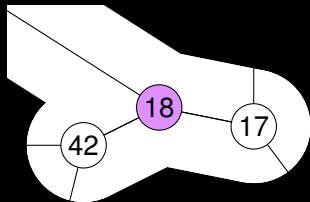
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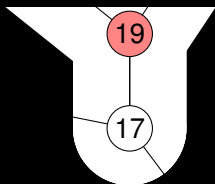
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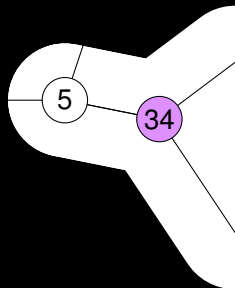
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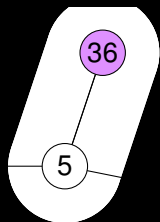
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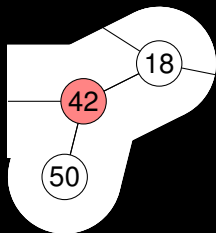
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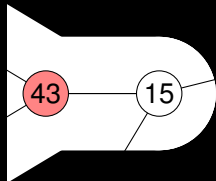
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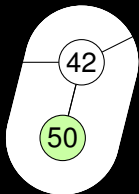
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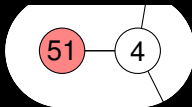
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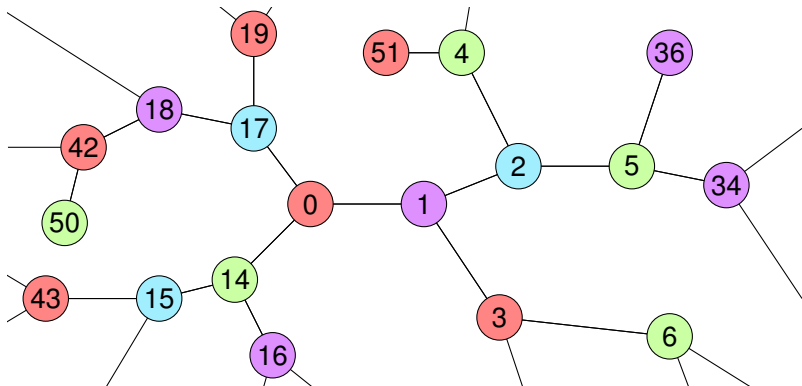
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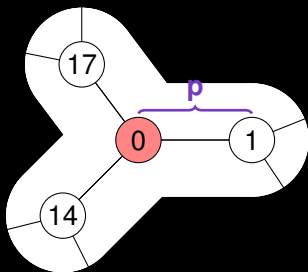
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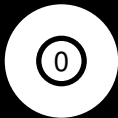


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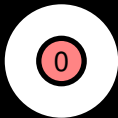


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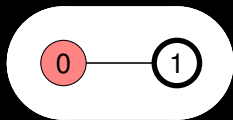
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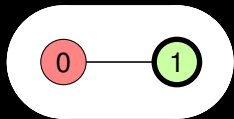
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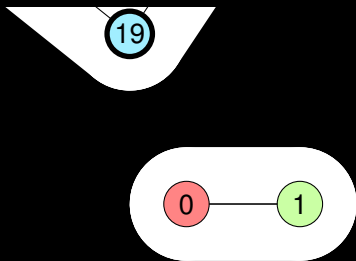
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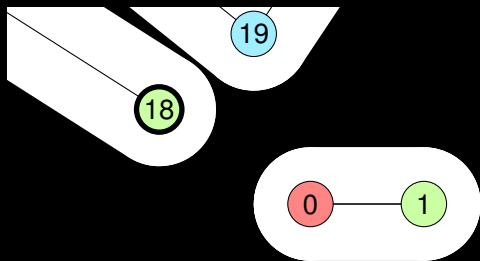
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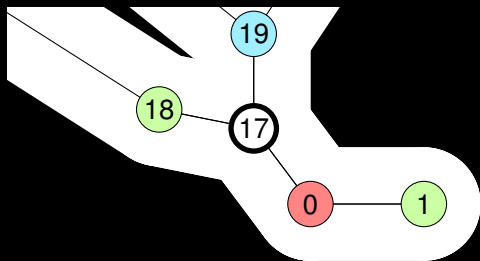
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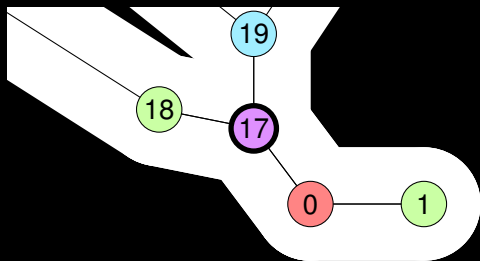
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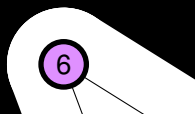
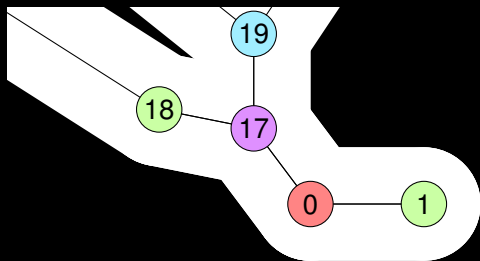
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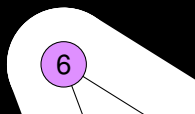
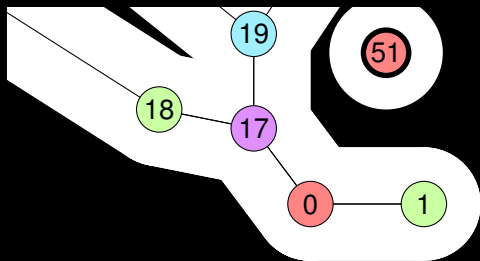
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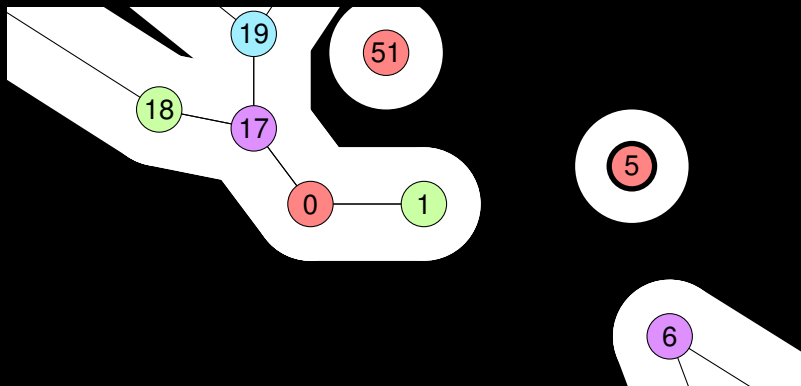
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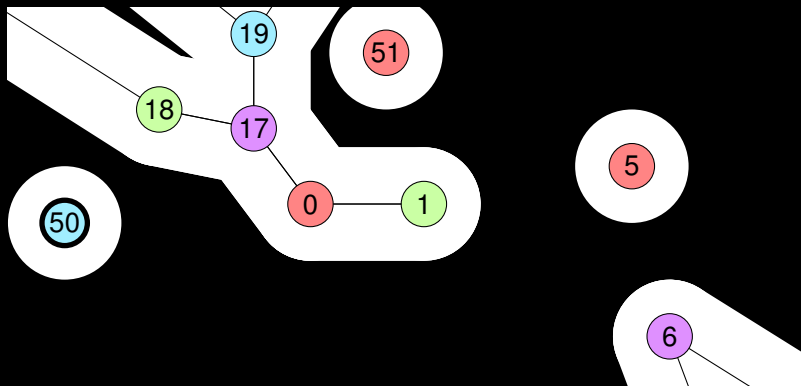
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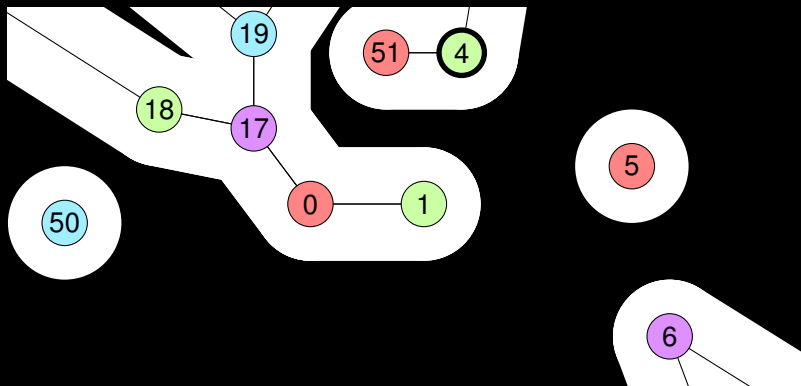
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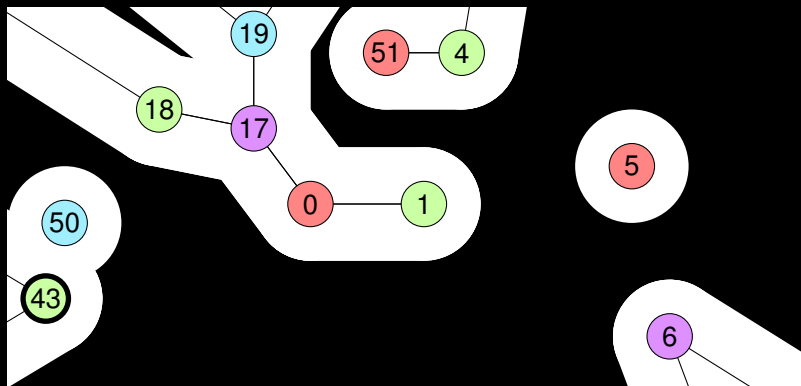
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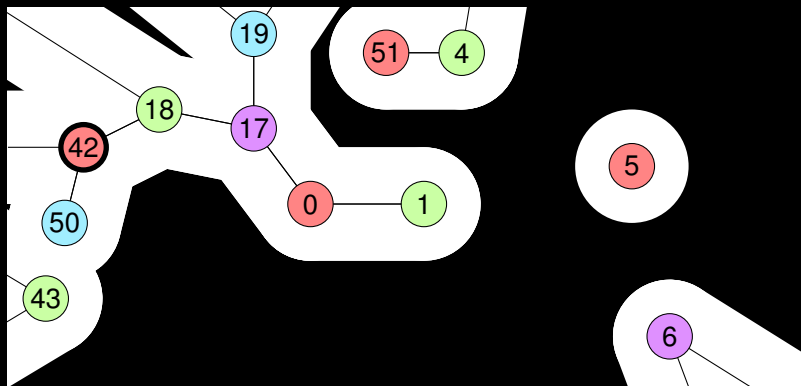
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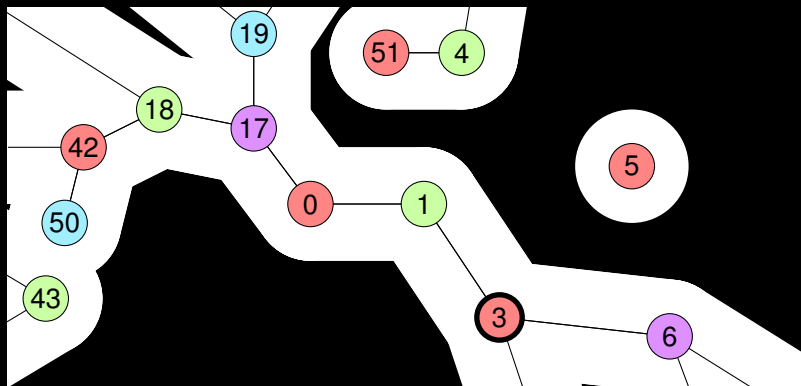
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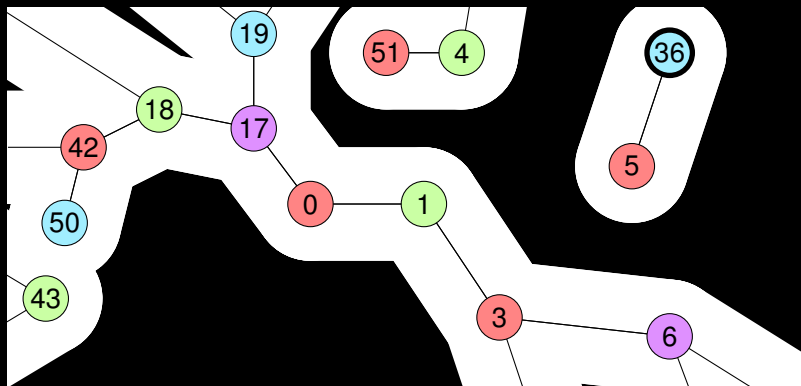
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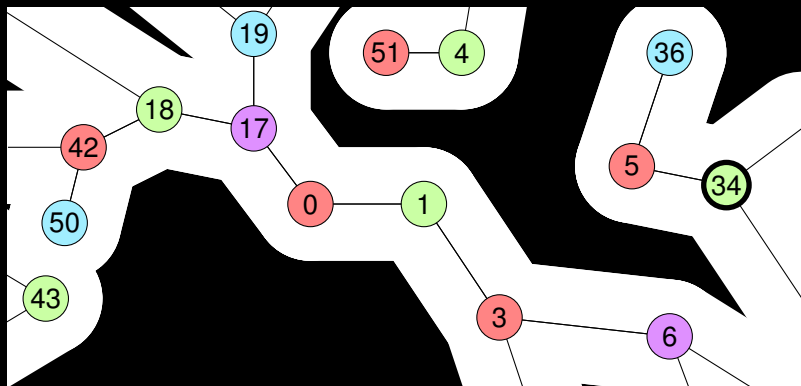
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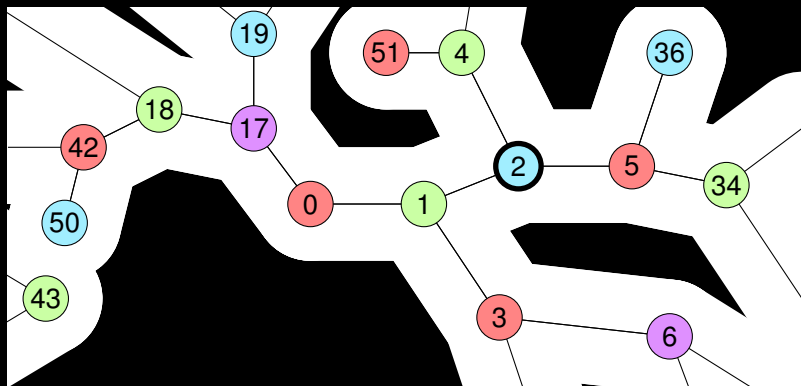
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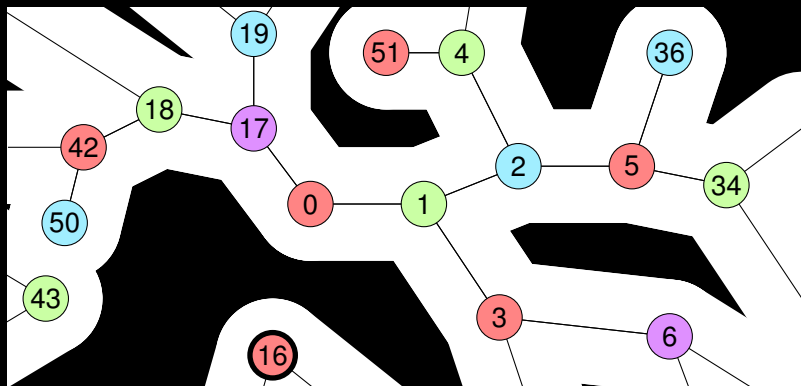
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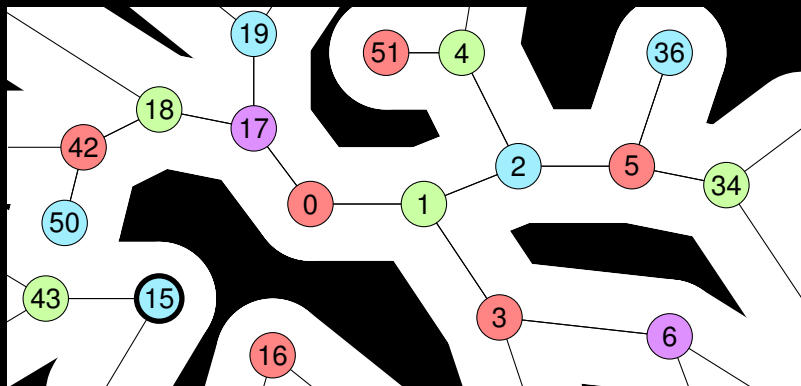
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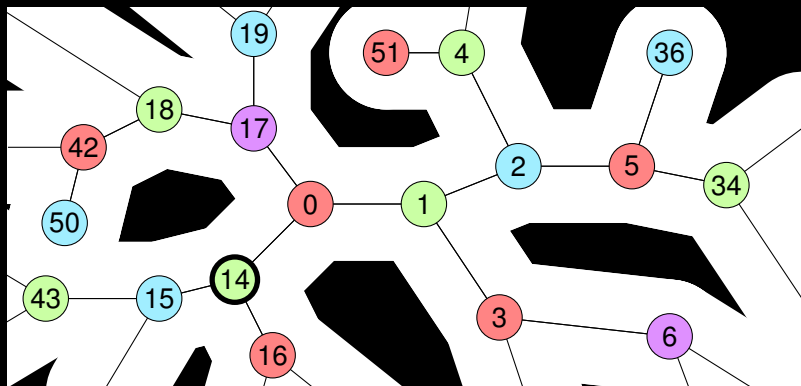
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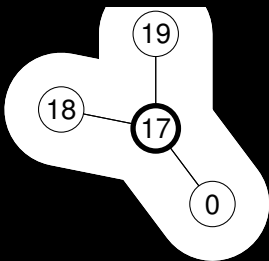
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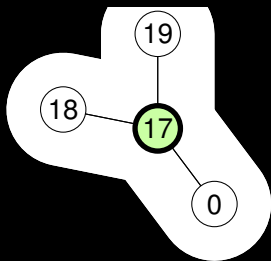
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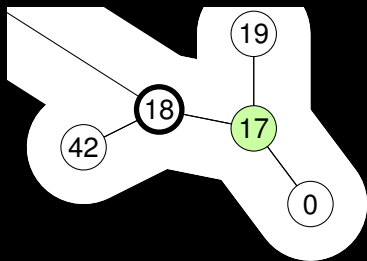
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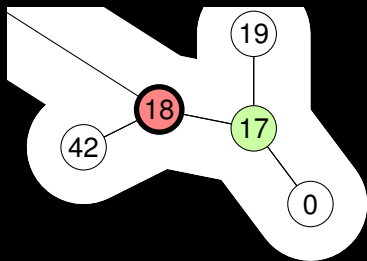
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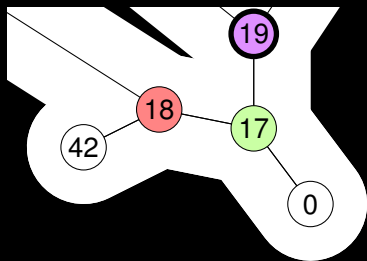
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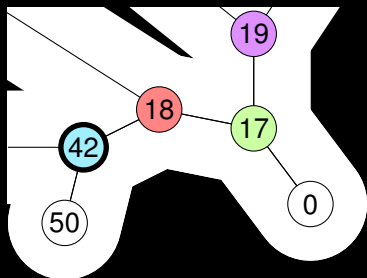
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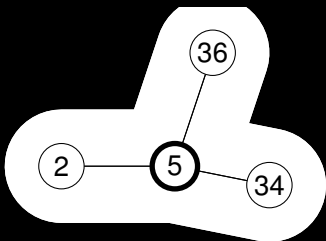
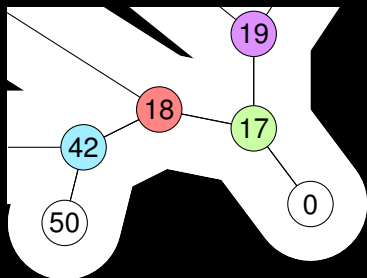
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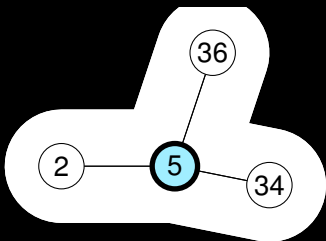
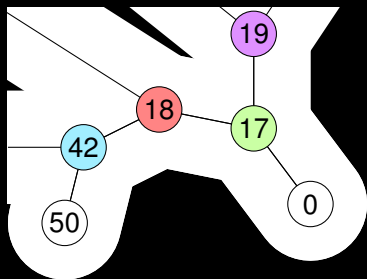
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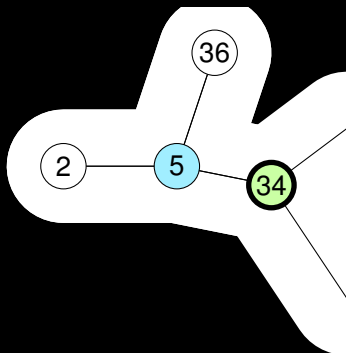
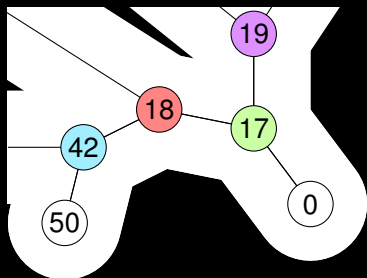
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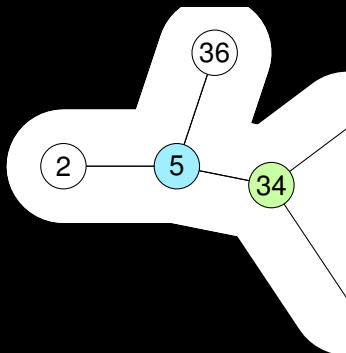
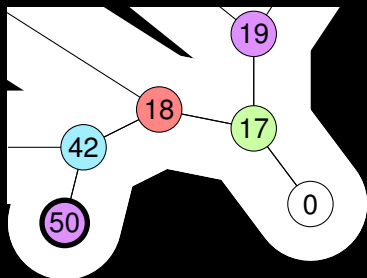
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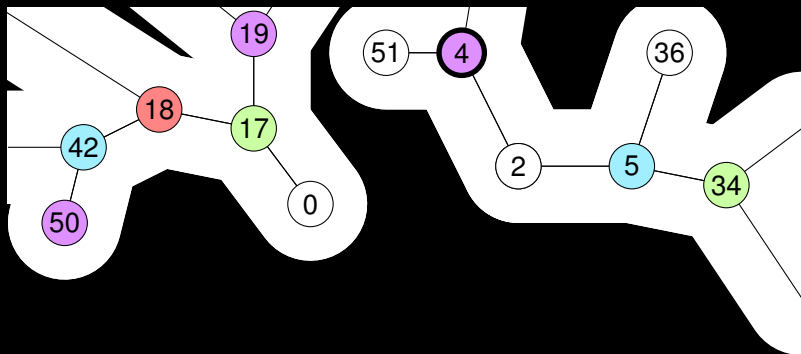
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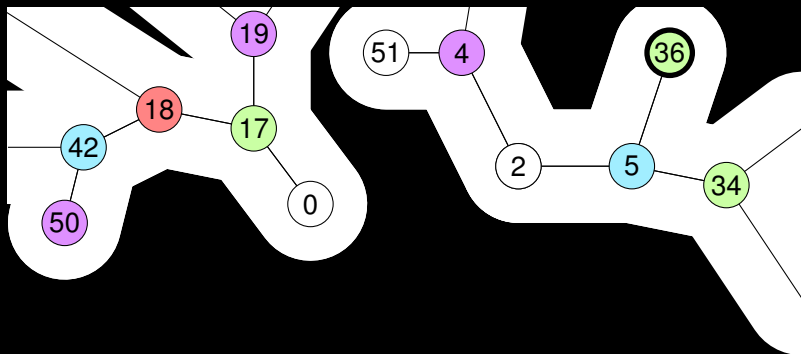
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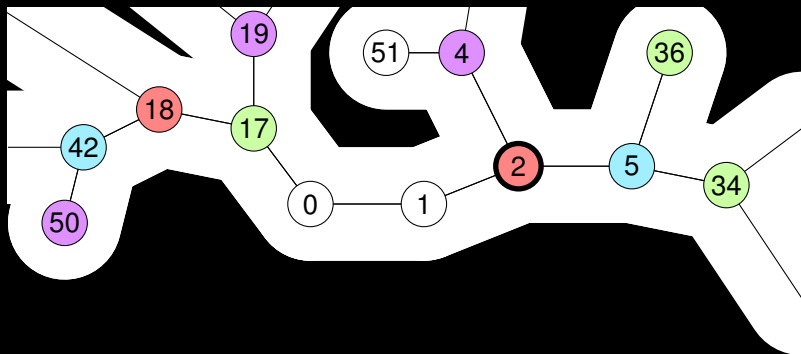
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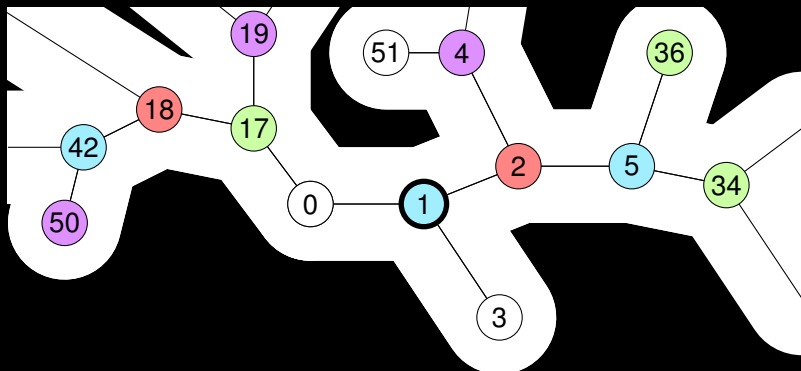
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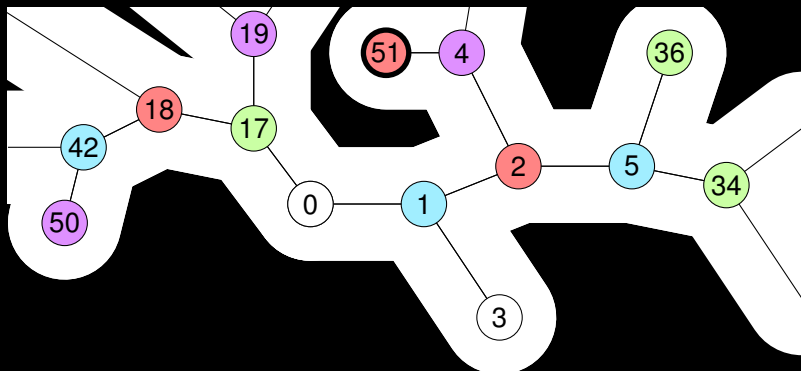
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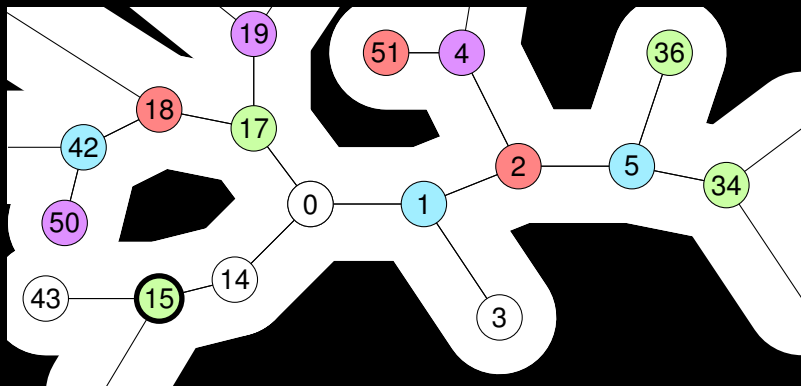
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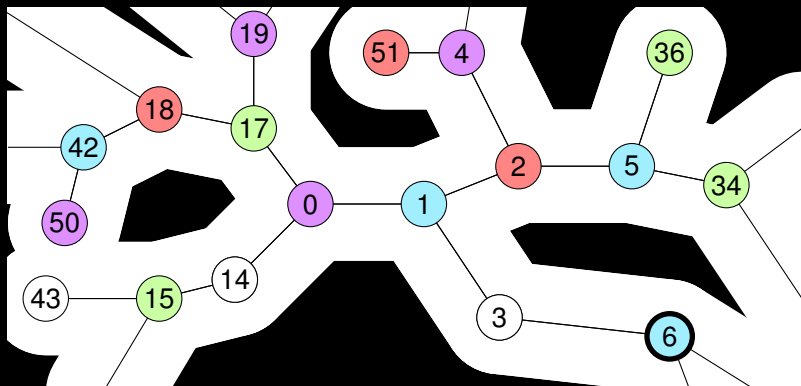
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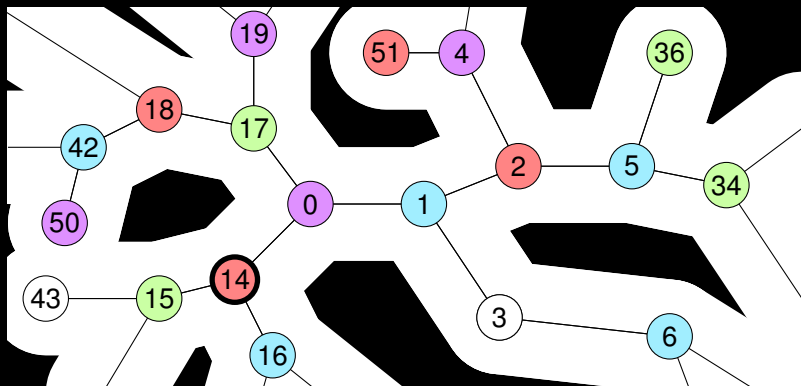
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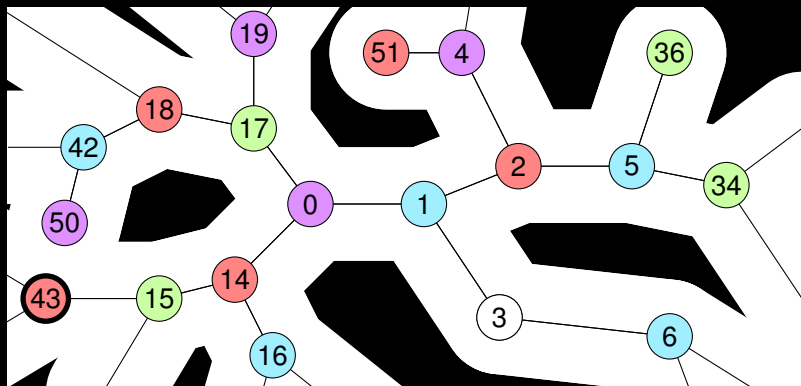
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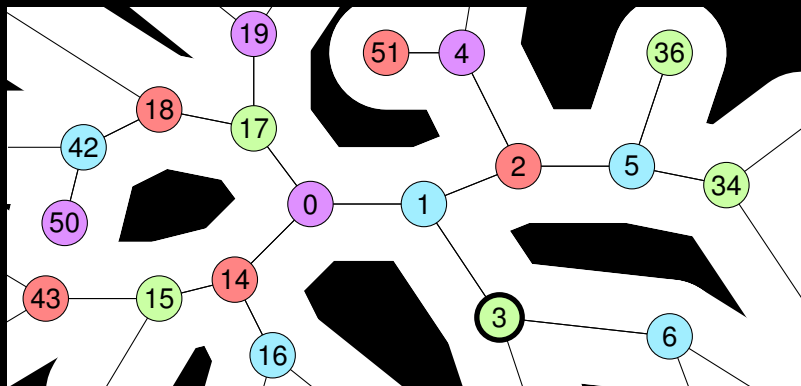
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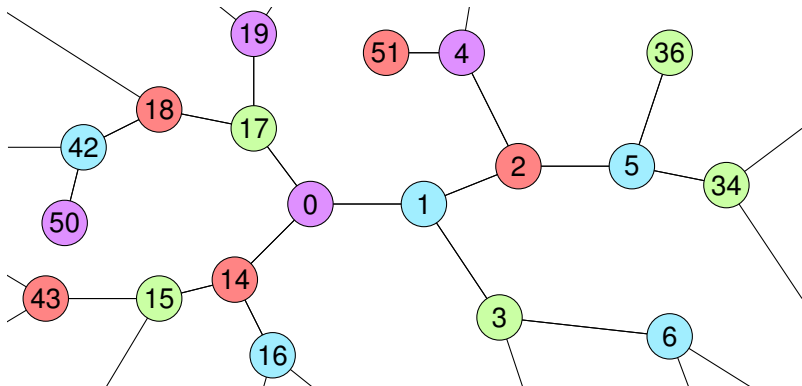
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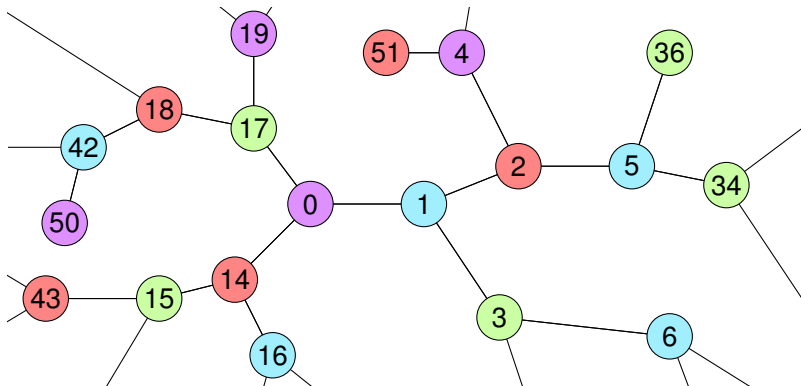
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	miaauu		nyyaa- miaauu
puua m maaauu maau	$O(\log n)$	\Leftrightarrow	$O(1)$
	$\binom{\cdot}{n}$	\Leftrightarrow	$\binom{\cdot}{n}$
puua m puuuu maauu puua	$O(\log n)$	\Leftrightarrow	$O(1)$
	$(\log n)$	\Leftrightarrow	$(\log n)$
	$n^{(\cdot)}$	\Leftrightarrow	$n^{(\cdot)}$

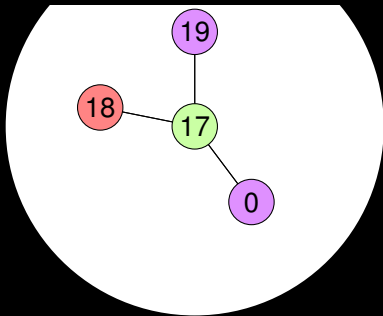
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	miaauu		nyyaa- miaauu
puua m maaauu maau	$O(\log n)$	\Leftrightarrow	$O(1)$
	$\binom{\cdot}{n}$	\Leftrightarrow	$\binom{\cdot}{n}$
puua m puuuu maauu puua	$O(\log n)$	\Leftrightarrow	$O(1)$
	$(\log n)$	\Leftrightarrow	$(\log n)$
	$n^{\binom{\cdot}{1}}$	\Leftrightarrow	$n^{\binom{\cdot}{1}}$

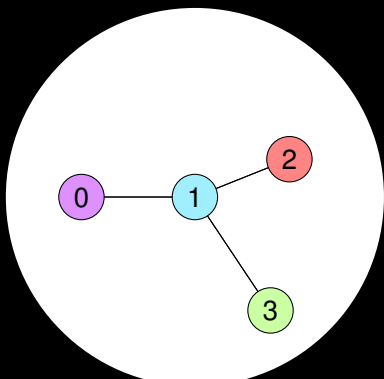
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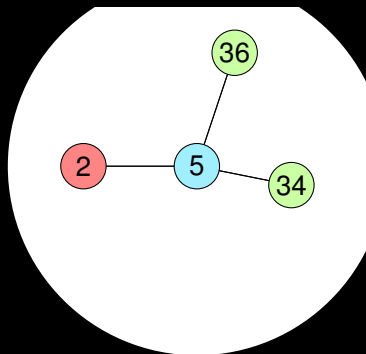
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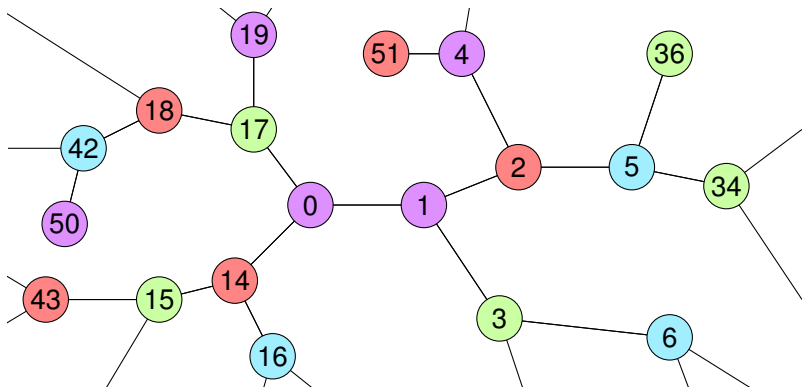
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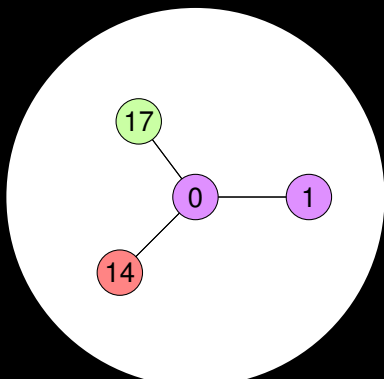
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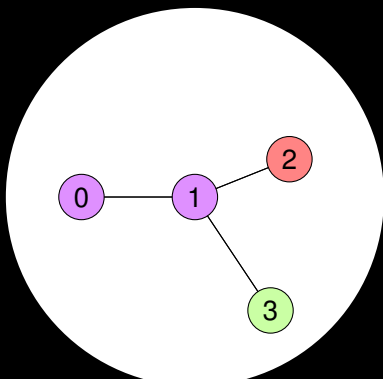
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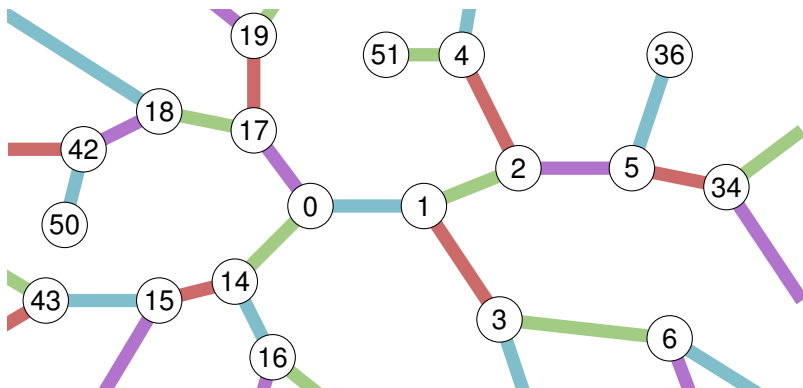
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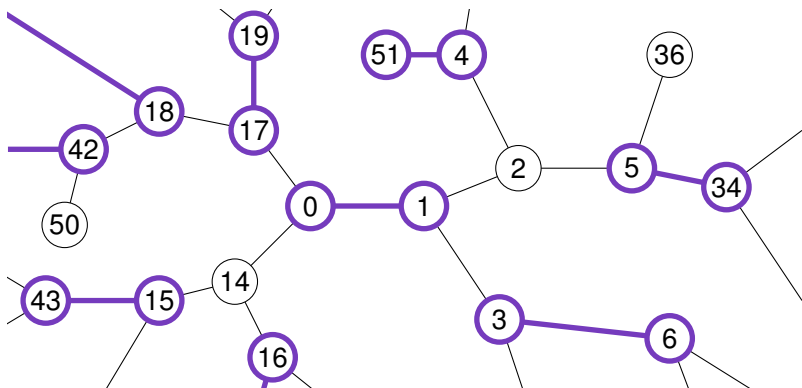
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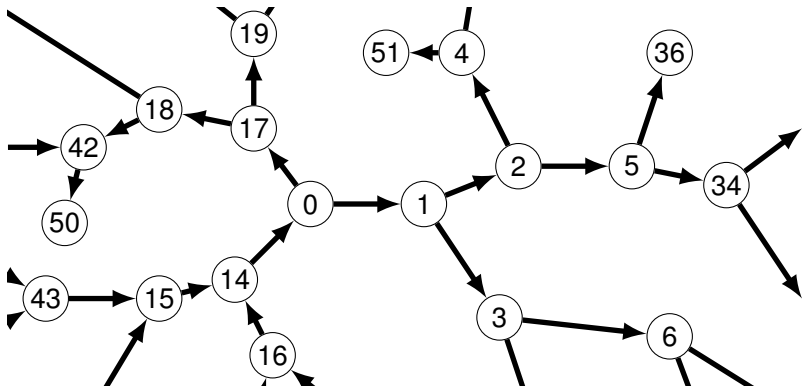
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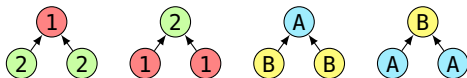


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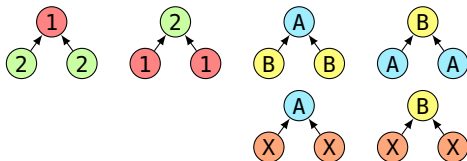
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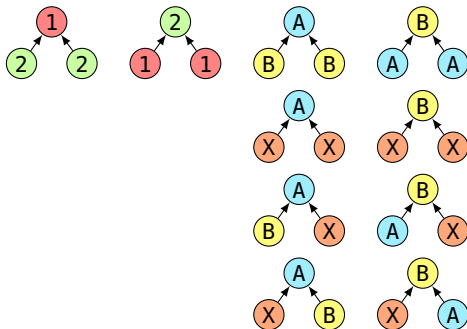
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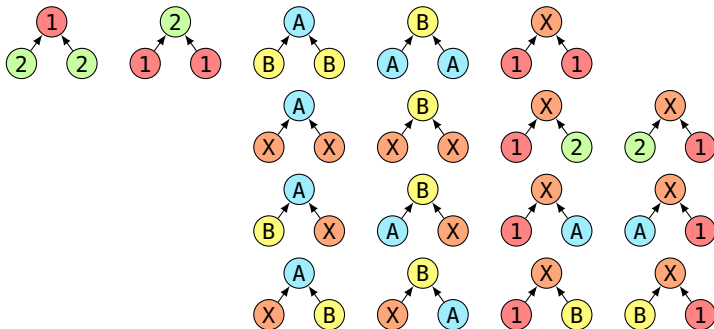


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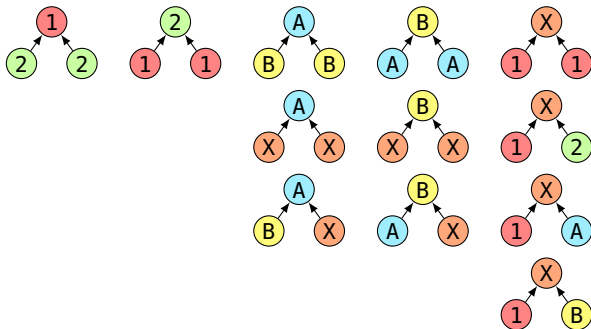
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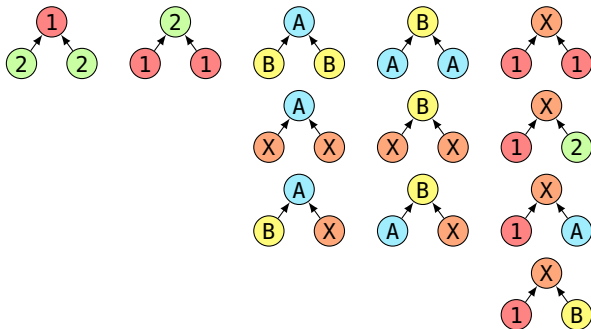
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$2\frac{1}{2}$ -nyyyaaa nyyyaaa



maau: $2\frac{1}{2}$ -maaaau maaaau (\sqrt{n}) m nyyaa-miaaaau.

miaaauu $2\frac{1}{2}$ -nyyyaaa nyyyaaa

maau:

$2\frac{1}{2}$ -maaaauu

maaaauu (\sqrt{n})

m nyyaa-miaaauu.

miaaauu $2\frac{1}{2}$ -nyyyaaa nyyyaaa

maau:

$2\frac{1}{2}$ -maaauu

maaauu (\sqrt{n})

m nyaaa-miaaau.

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$2\frac{1}{2}$ -maaauu

m maaauu m $o(\sqrt{n})$

m nyaaa-miaaau.

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$2\frac{1}{2}$ -maaaauu

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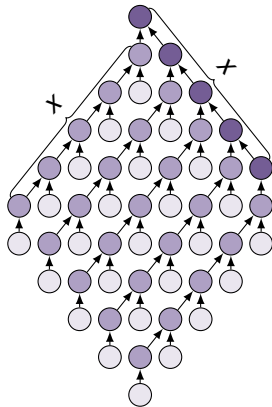
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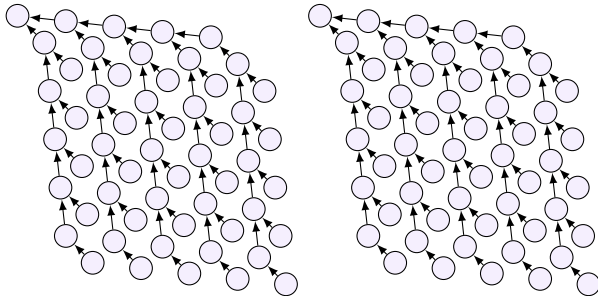
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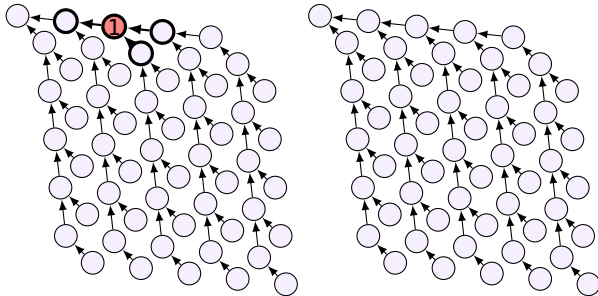
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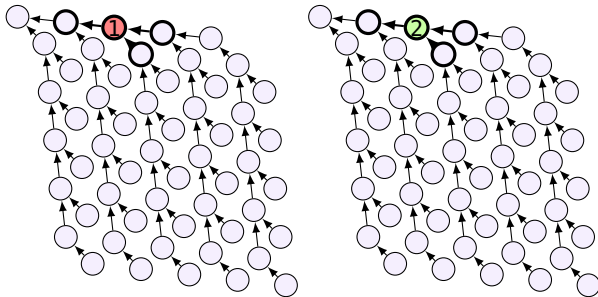
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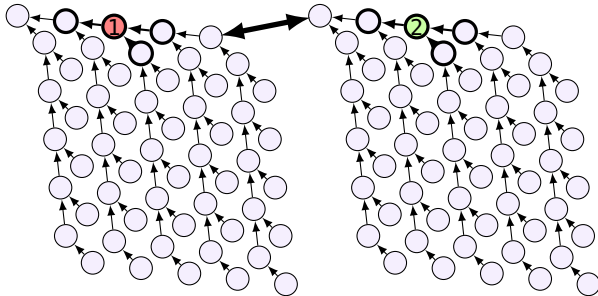
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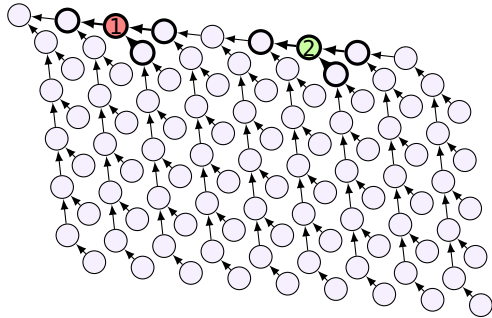


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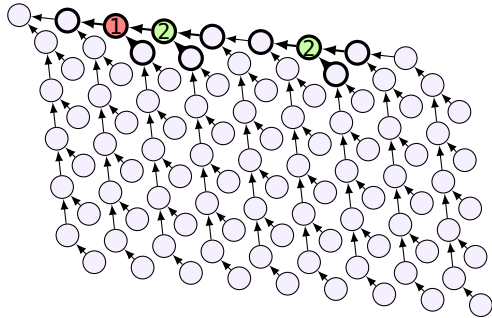
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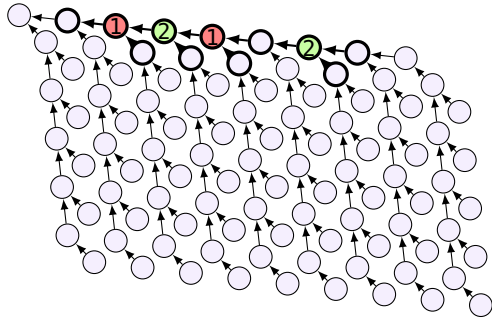
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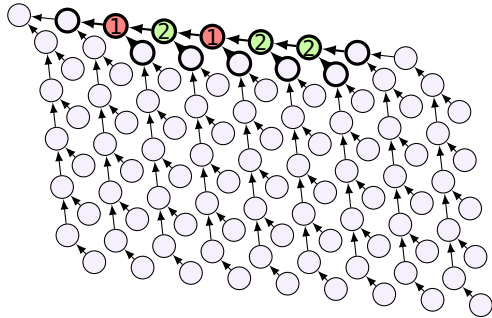
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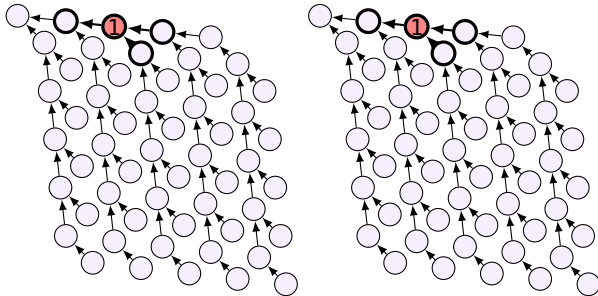


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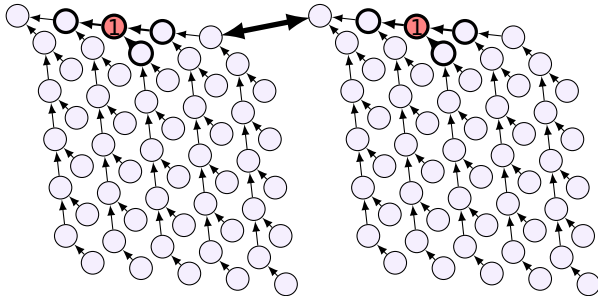
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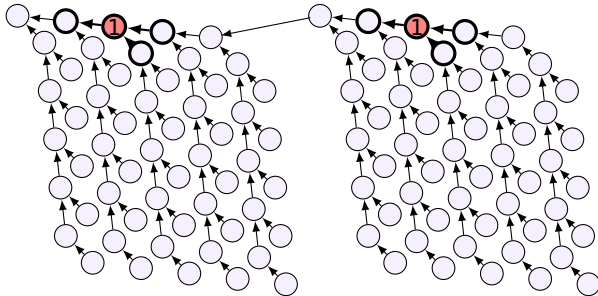
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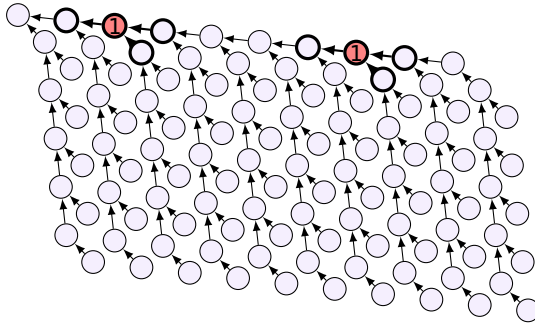


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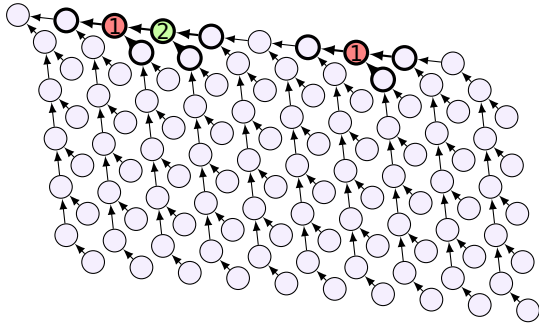
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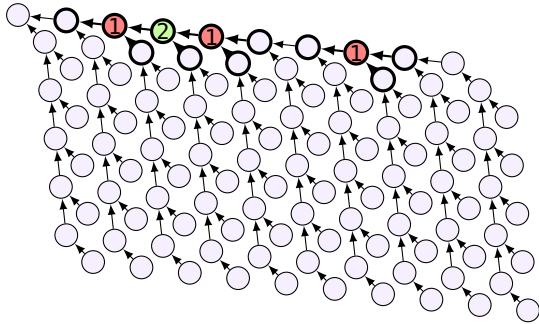
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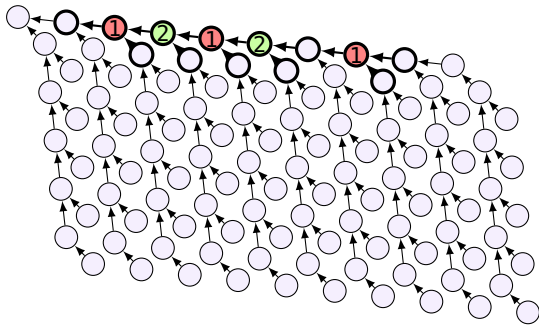


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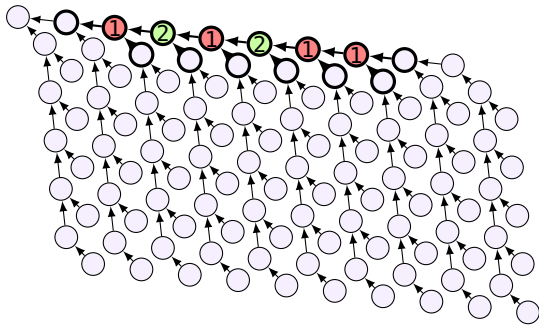


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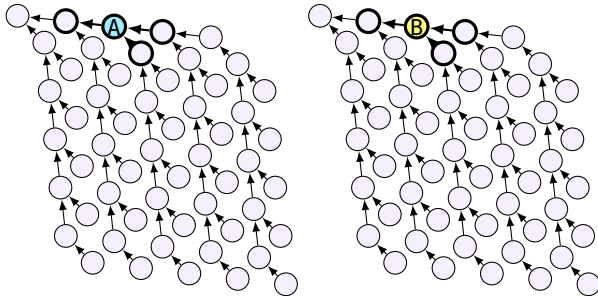


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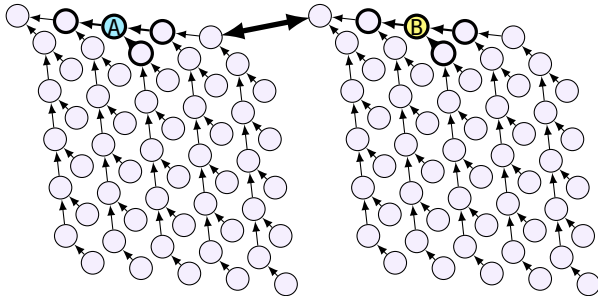
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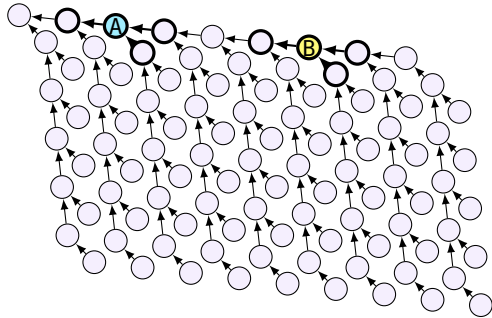


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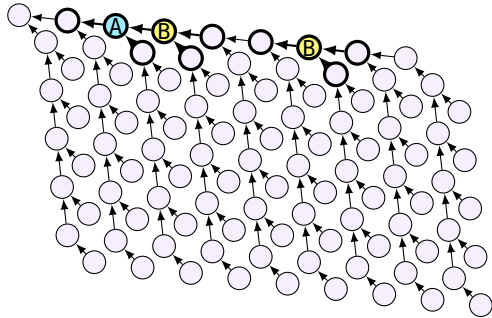
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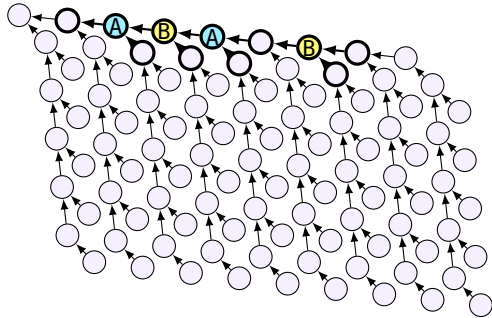
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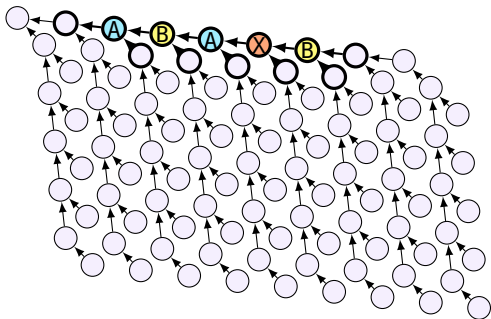
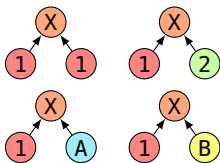
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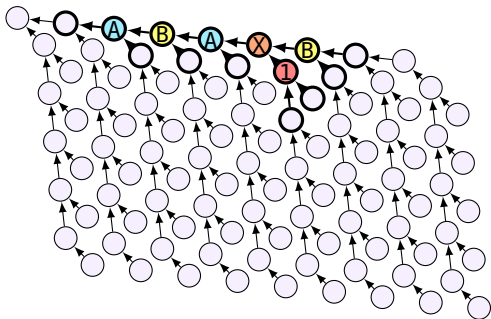
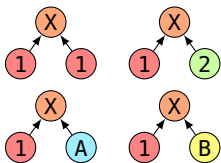
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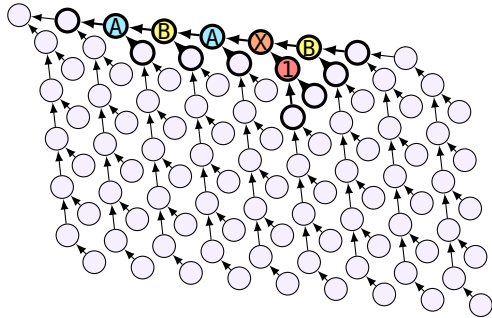
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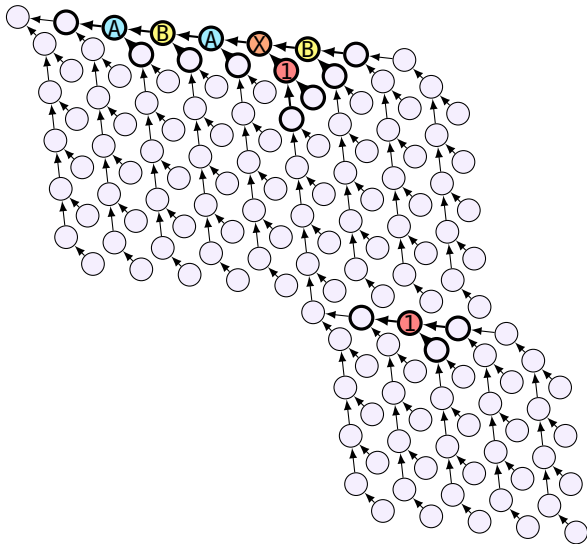


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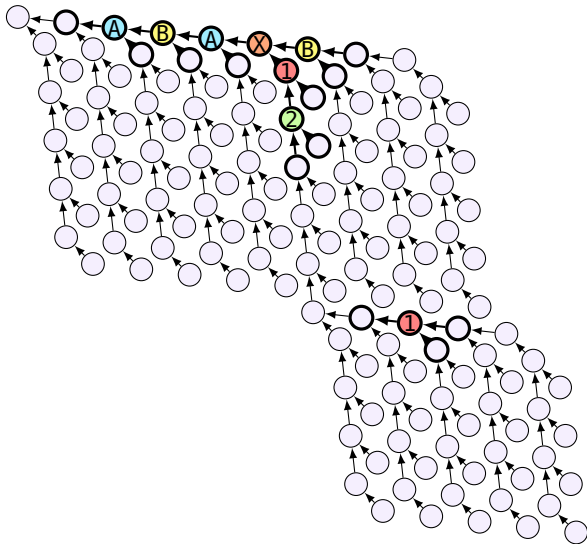
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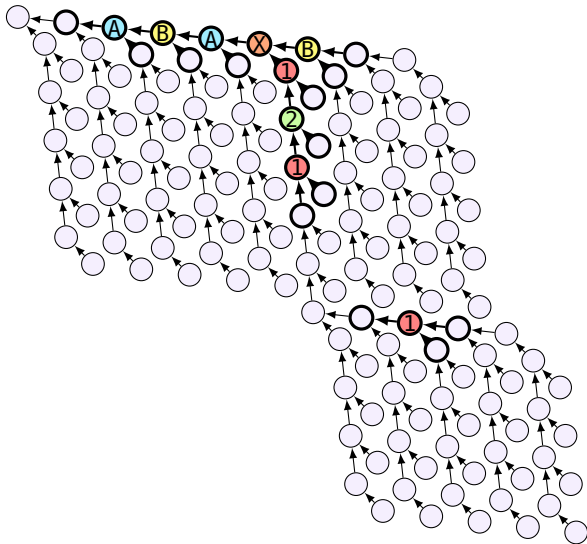
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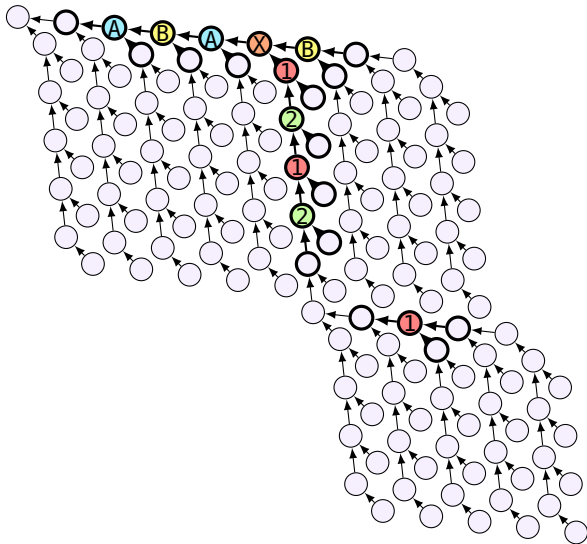
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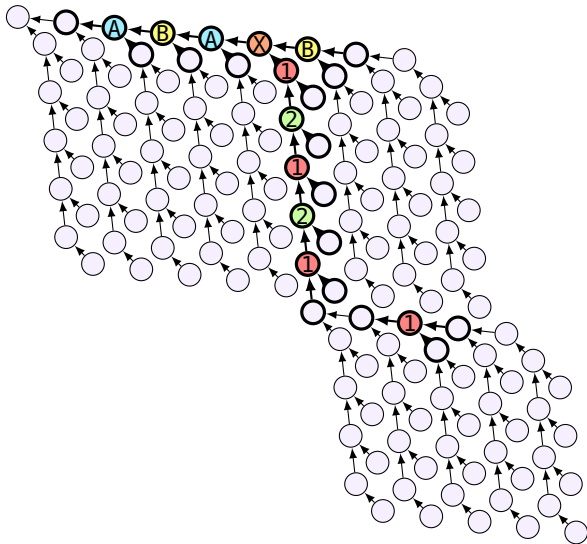
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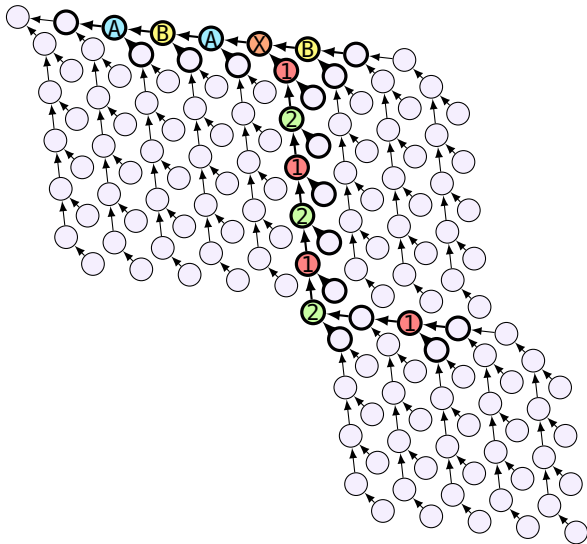
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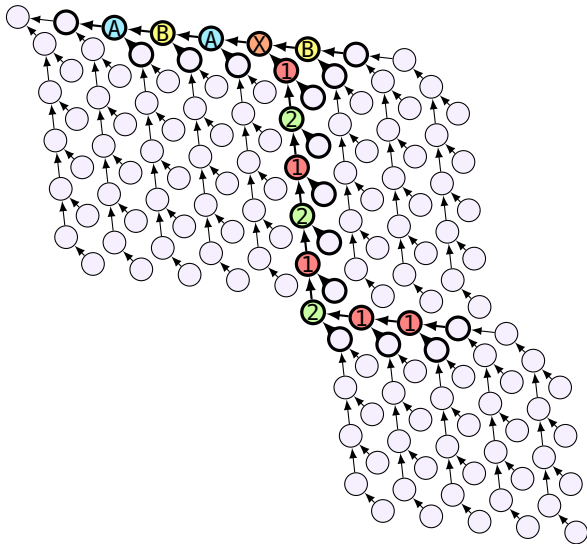
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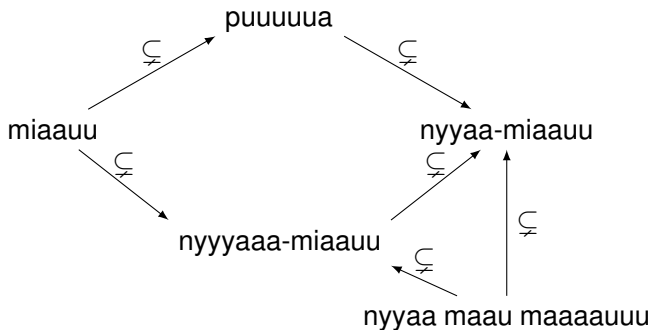
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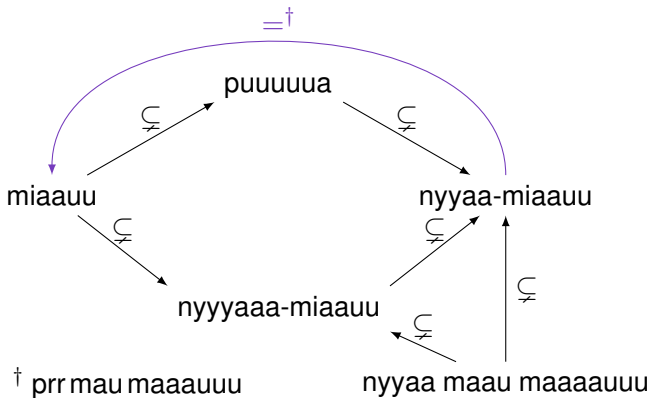
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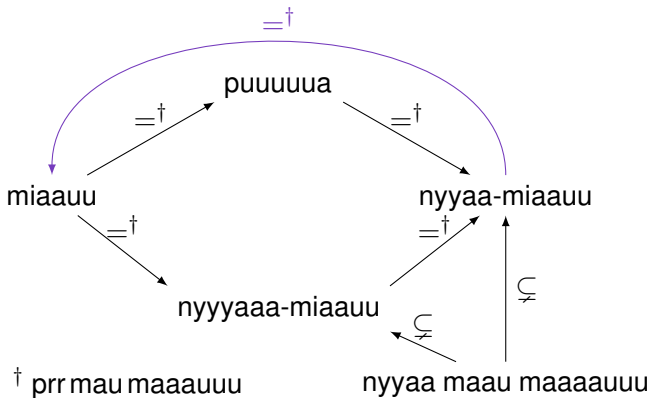
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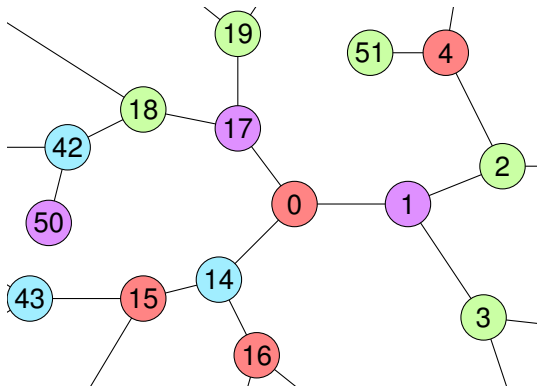
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puuuuuuuuaa maaauu miaauu



mauu miaaauuu



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puua miaaauu
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mau nyaa miaaaaauuuu
mauu nyaa-miaauu?