$$H_{A} = A \sum_{i \in V} x_{i} + B \sum_{i \in V} (1-x_{u})(1-x_{v})$$

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$$H = A \left[ x_{1} + x_{2} + x_{3} + x_{4} + x_{5} \right]$$

$$B \left[ (1-x_{1})(1-x_{2}) + (1-x_{2})(1-x_{3}) + (1-x_{3})(1-x_{5}) \right]$$

$$H = A \left[ x_{1} + x_{1} + x_{1} + \cdots + x_{5} \right]$$

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$$H = A \left[ x_{1} + x_{2} + x_$$

 $\frac{(1-x)(1-y)}{=} \frac{1-y-x+xy}{=-y-x+xy}$