

Face $\equiv \prod (A, \varphi, n) : \text{CyclicGraph}$

$\sum i : A \rightarrow G$

$\prod_{x : A} \text{isFaceCorner} \left(i \left(\begin{array}{c} x \\ \swarrow \quad \searrow \\ \varphi^{-1}(x) \quad \varphi(x) \end{array} \right) \right)$

$\times \text{isEmbedding}(\text{Corner } i).$

A



i

G

