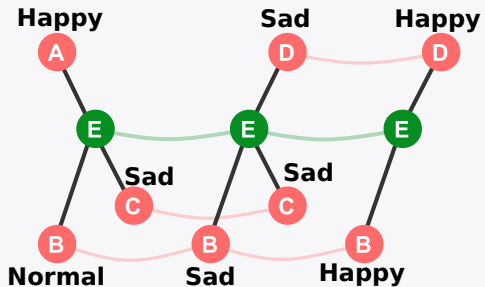


Egocentric Temporal Neighborhood



STANDARD ETNS

Node encoding

A → 100 B → 111
C → 110 D → 011

Sorted node encoding

D A C B
011 - 100 - 110 - 111

ETNS

011100110111

Status encoding

Happy
Normal
Sad

$f(L)$

$f(0) = 00$
 $f(\text{Happy}) = 01$
 $f(\text{Normal}) = 10$
 $f(\text{Sad}) = 11$

Sorted node encoding

D	A	C	B
011	100	110	111
0 sad happy	happy 0 0	sad sad 0	normal sad happy
001101	010000	111100	101101

ETNS_nodeLabels

001101010000111100101101

001101 010000 111100 101101

111100

$f^{-1}(11) = \text{Sad}$