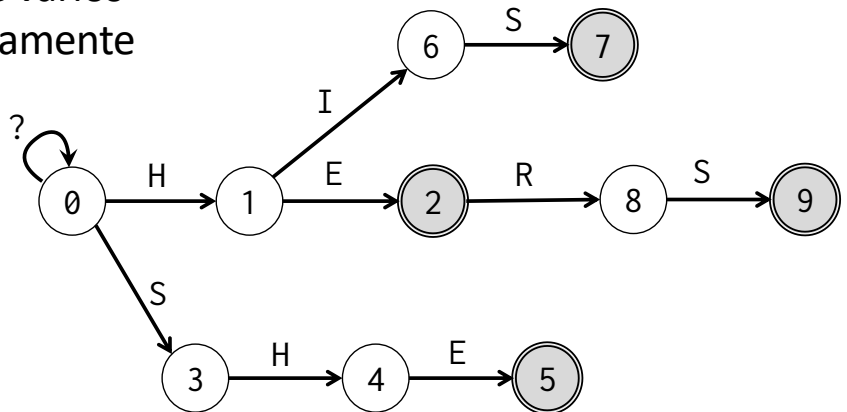


# Aho Corasick

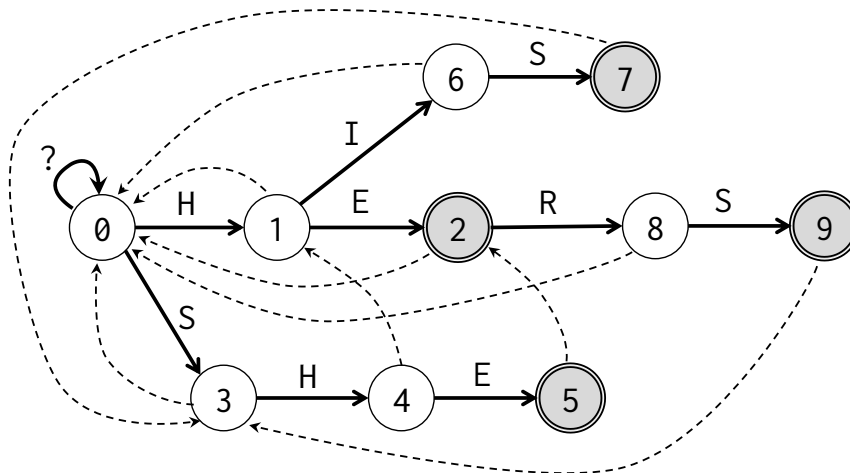
- Criado por Alfred V. Aho e Margaret J. Corasick em 1975
- Permite a busca de vários padrões simultaneamente

Ex.: HE,  
SHE,  
HIS,  
HERS



# Aho Corasick

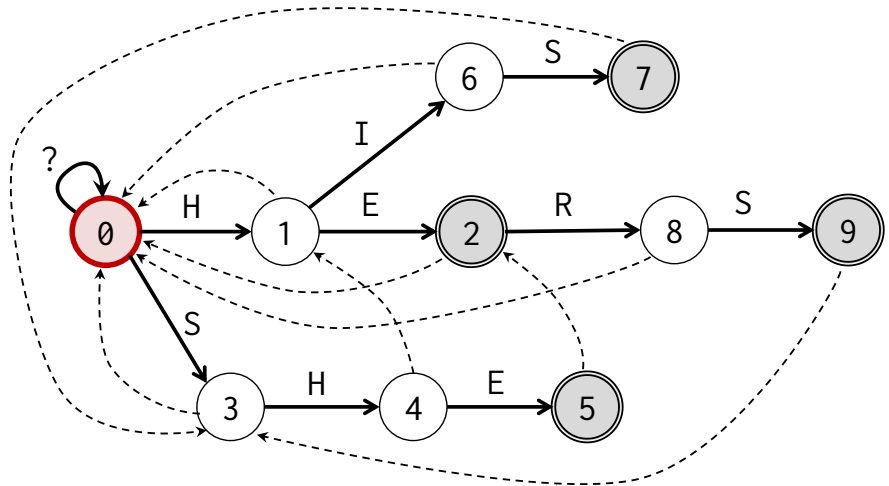
- Transições de falha continuam baseadas em prefixos



# Aho Corasick

- Casamento de HERSHEYS:

0

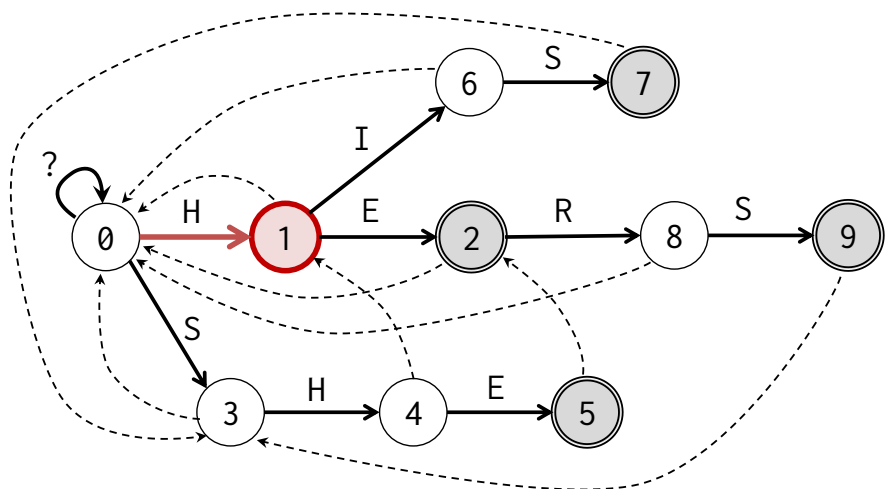


# Aho Corasick

- Casamento de HERSHEYS:

0

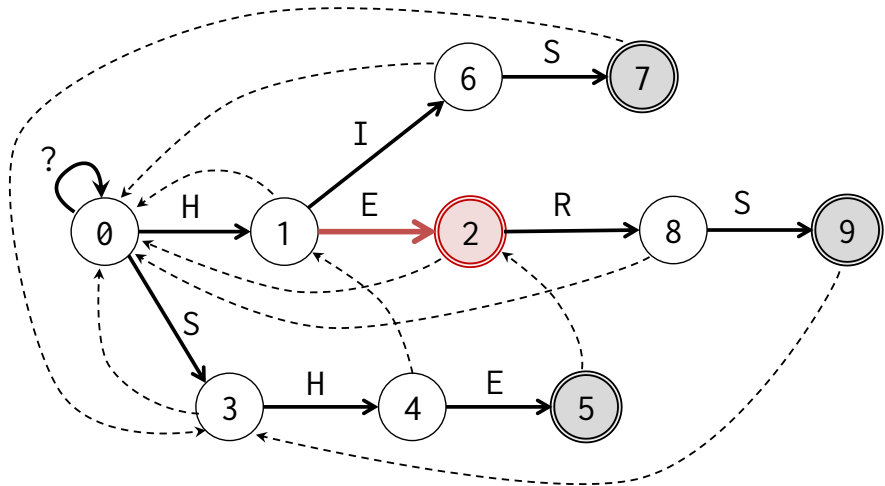
H: 1



# Aho Corasick

- Casamento de HERSHEYs:

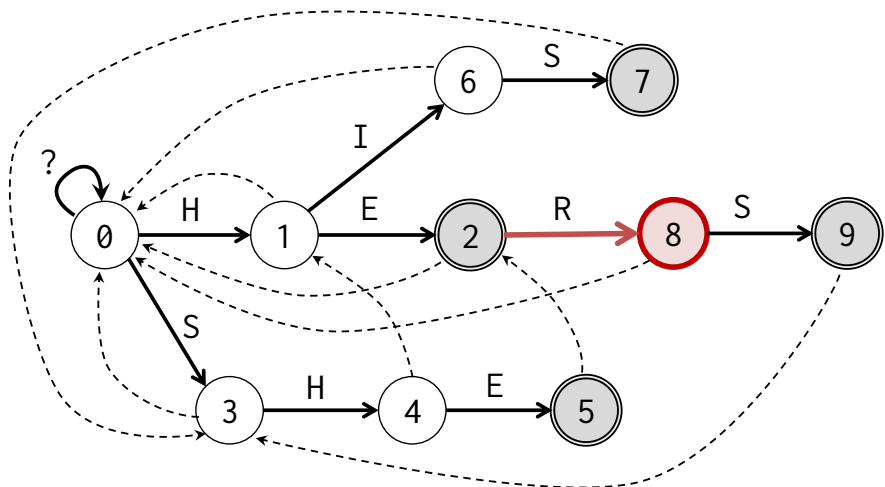
0  
H: 1  
E: 2 {HE}



# Aho Corasick

- Casamento de HERSHEYs:

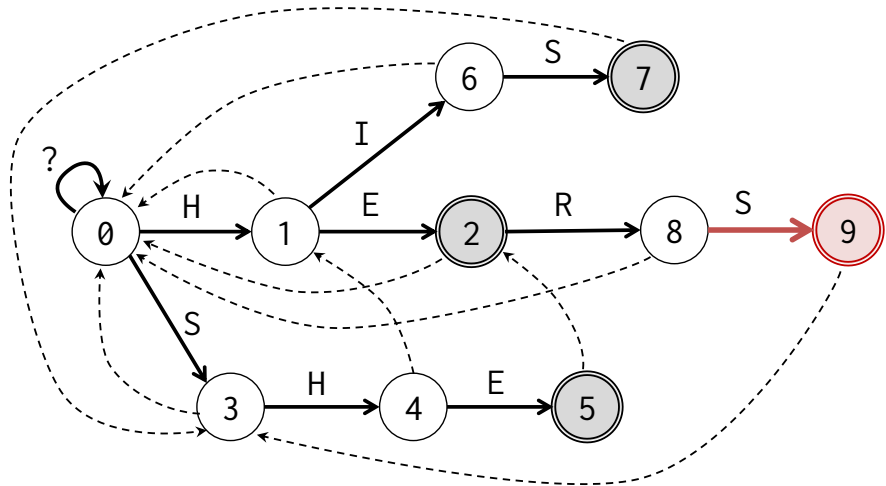
0  
H: 1  
E: 2 {HE}  
R: 8



# Aho Corasick

- Casamento de HERSHEYs:

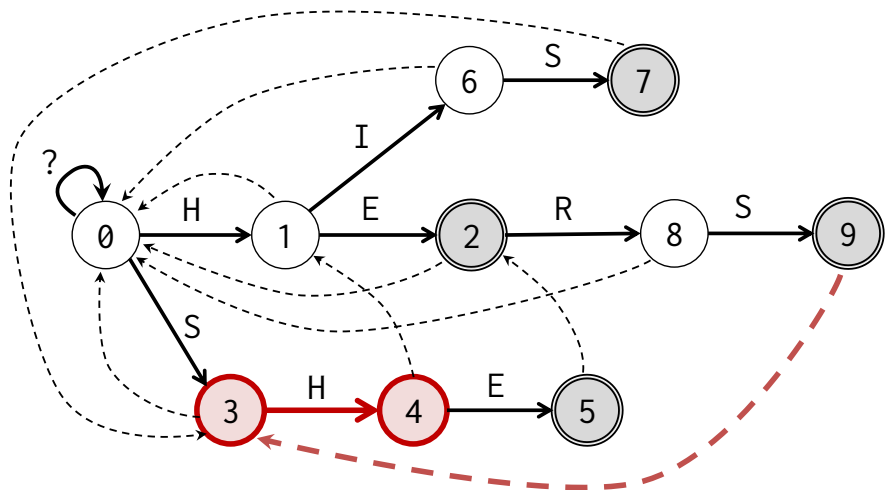
0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}



# Aho Corasick

- Casamento de HERSHEYs:

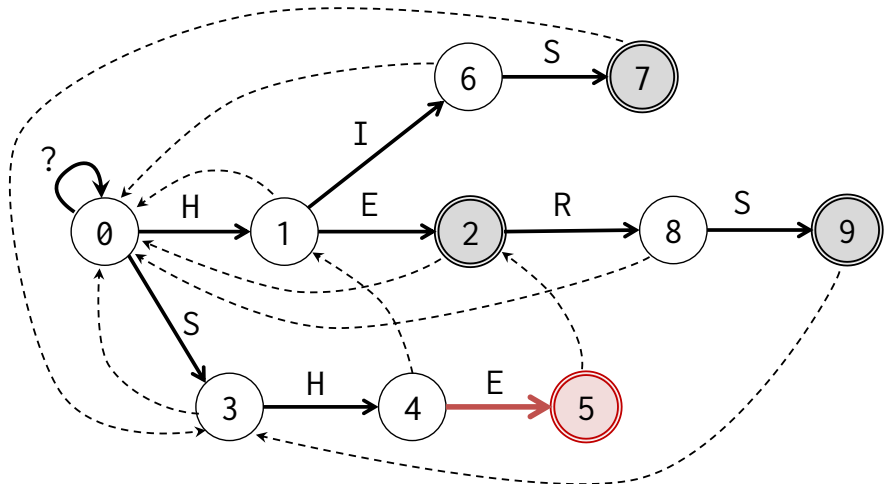
0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}  
H: 3, 4



# Aho Corasick

- Casamento de HERSHEYs:

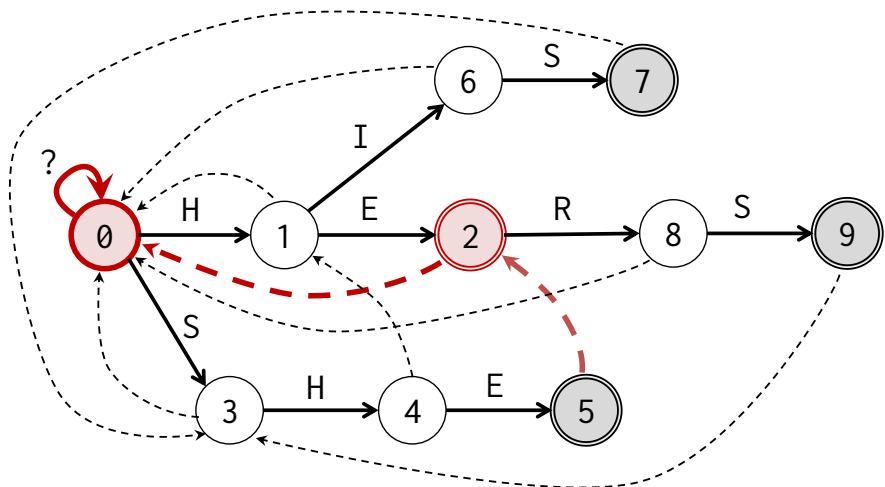
0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}  
H: 3, 4  
E: 5 {SHE}



# Aho Corasick

- Casamento de HERSHEYs:

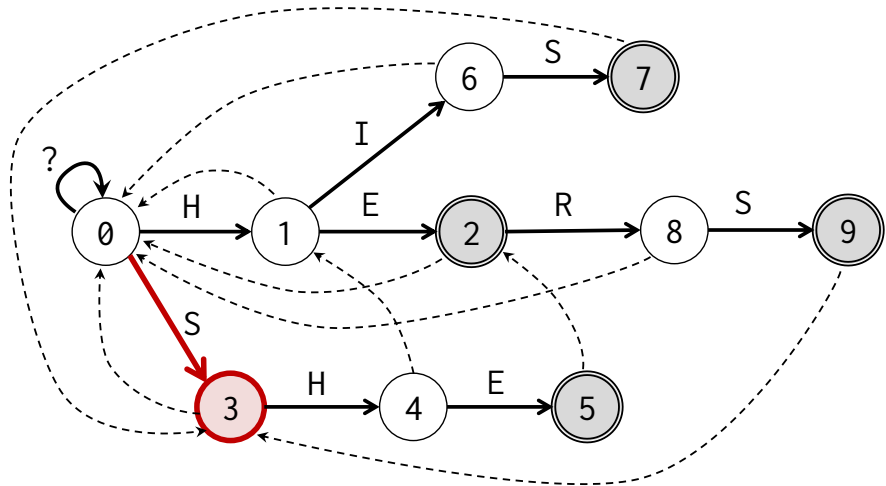
0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}  
H: 3, 4  
E: 5 {SHE}  
Y: 2 {HE}, 0, 0



# Aho Corasick

- Casamento de HERSHEYs:

0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}  
H: 3, 4  
E: 5 {SHE}  
Y: 2 {HE}, 0, 0  
S: 3



# Aho Corasick

- Casamento de HERSHEYs:

0  
H: 1  
E: 2 {HE}  
R: 8  
S: 9 {HERS}  
H: 3, 4  
E: 5 {SHE}  
Y: 2 {HE}, 0, 0  
S: 3  
0

