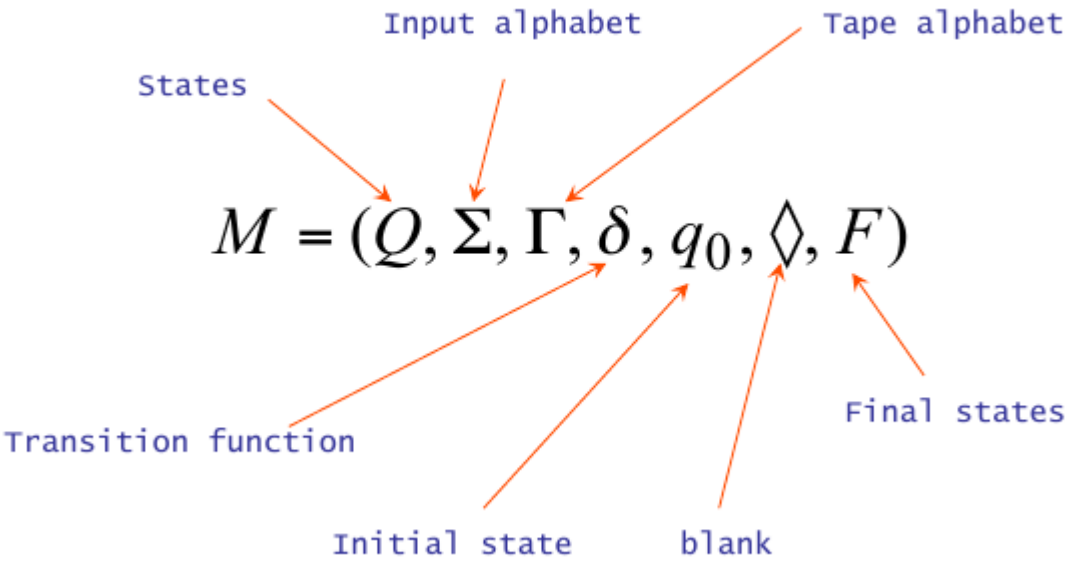
Macchine di Turing



f(x,y) = x + y

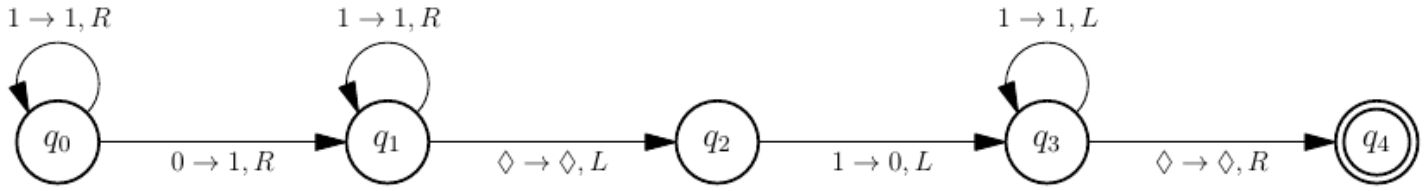
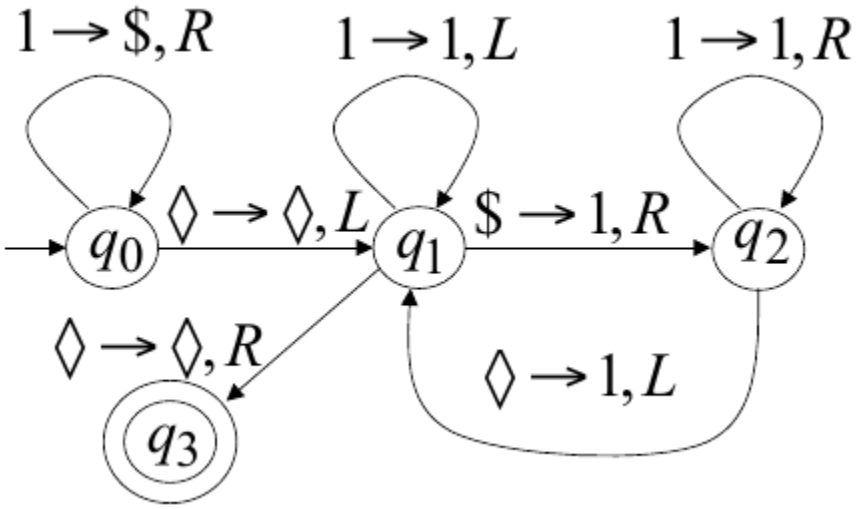
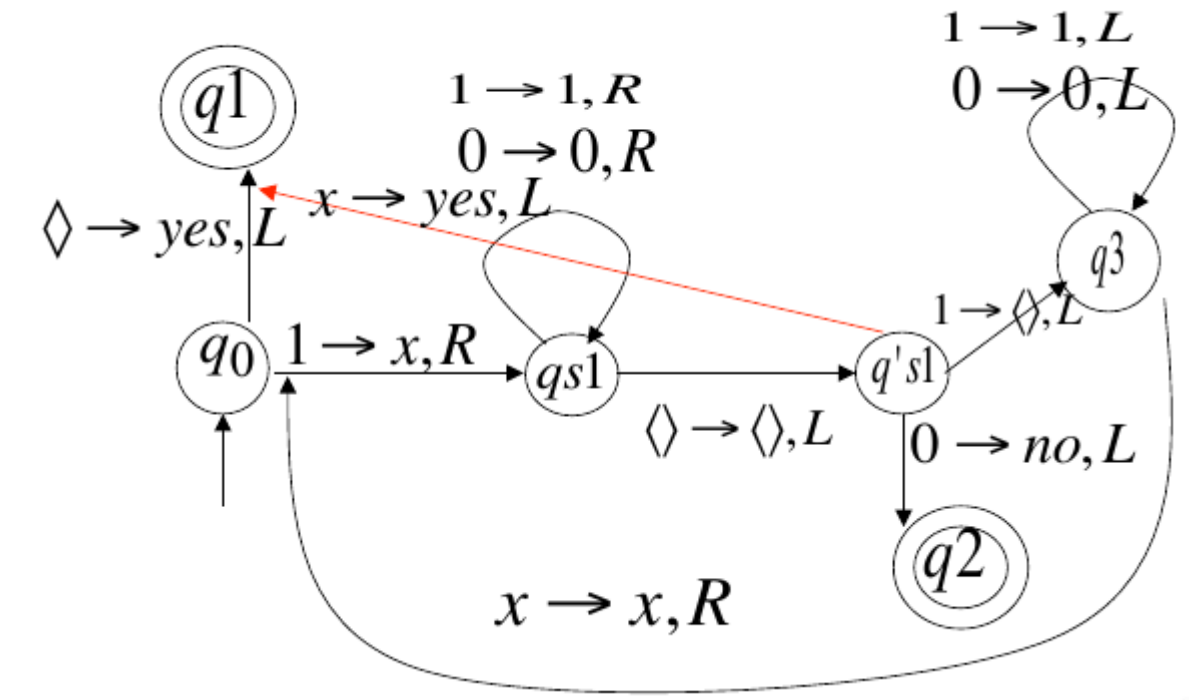


Fig. 7. Una macchina di Turing che calcola $x + y$.

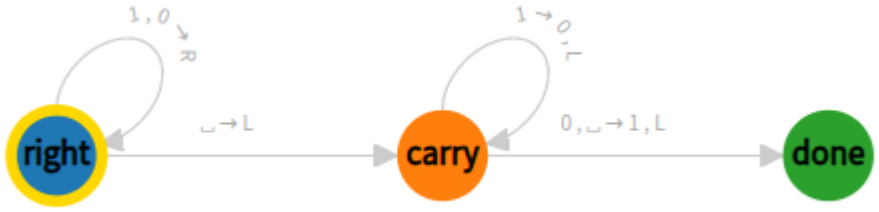
f(x) = 2x



palindomi



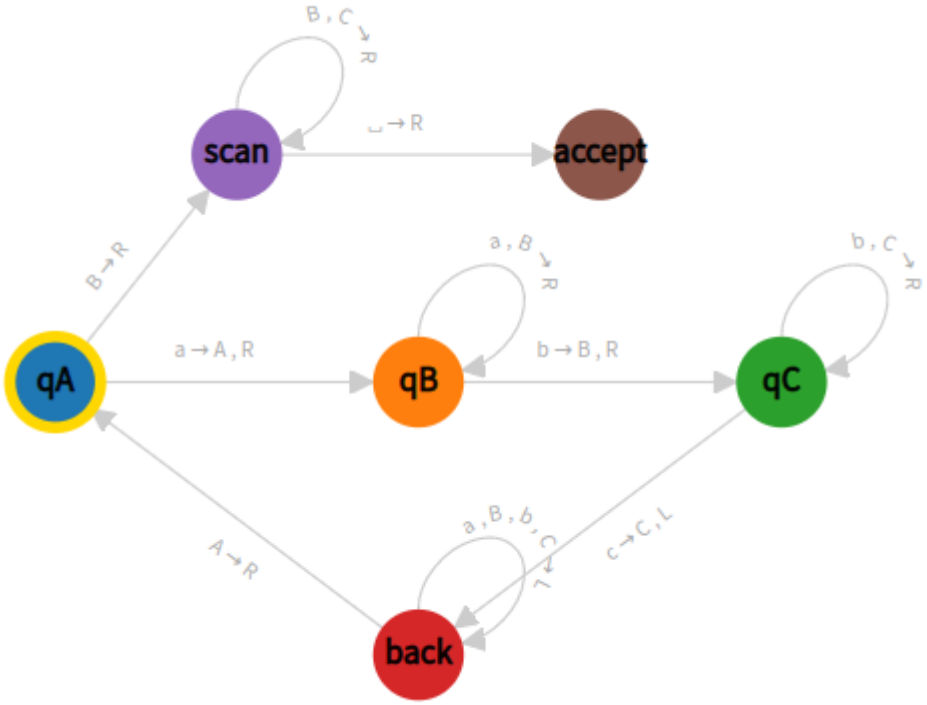
+1



- right: [1,0]: R ' ' : {L: carry}
- carry: 1 : {write: 0, L} [0,' ']: {write: 1, L: done}
- done:

3 equal length

$a^n b^n c^n$



- qA:

  a: {write: A, R: qB}

  B: {R: scan}

- qB:

  [a,B]: R

  b: {write: B, R: qC}

- qC:

  [b,C]: R

  c: {write: C, L: back}

- back:

  [a,B,b,C]: L

  A: {R: qA}

- scan:

  [B,C]: R

  ' ': {R: accept}

- accept: