

(B)

(c):

Only four simultaneous connections are possible for each crossbar at the first stage. This means that the total number of simultaneous connections is  $6 \times 10 = 60$ .

(d):

If we use one crossbar ( $100 \times 100$ ), all inputs lines can have a connection at the same time, which means 100 simultaneous connections.

(e):

The blocking factor is  $60/100$  or 60 percent.