

**CSCE 317 Spring 2018**  
**QUIZ 7**  
Assigned Thursday, 18-04-26

The value of  $N$  (called  $N^*$ ) at which  $N/(D + E[Z]) = 1/D_{max}$  has one of the following property:

1. It is the largest multiprogramming level for which the system is stable
2. It is the multiprogramming level beyond which there must be some queuing in the system
3. It is the multiprogramming level beyond which  $E[R] < D$
4. It is the multiprogramming level at which  $E[R] = D$ .

**Answer: 2.**