

ⓘ Students have either already taken or started taking this quiz, so take care when editing it. If you change any quiz questions in a significant way, you might want to consider re-grading students' quizzes who took the old version of the quiz.

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### Question

1 pts

Assuming that the TLB access pattern gives the following sequence of hits (H) and misses (M),

M H H H M H H H M H H H

What will be the miss rate for this TLB?

- ☐ 75%
- ☐ 50%
- ☐ 25%
- ☐ Cannot be determined.

Answer

### Question

1 pts

Assuming that the TLB access pattern gives the following sequence of hits (H) and misses (M),

M H H H M H H H M H H H M...

How many slots does this TLB have?

- ☐ 7
- ☐ 5
- ☐ 4
- ☐ Cannot be determined.

Answer

### Question

1 pts

Assuming you have a 12 bit virtual address in which the first 4 most significant bits (MSB) are used for storing the VPN. How many maximum virtual pages can be accommodated ?

- ☐ 16
- ☐ 8
- ☐ 32
- ☐ Cannot be determined.

Answer

**Question****1 pts**

TLB is based on the fully associative cache mapping?

Answer

☐ True☐ False**Question****1 pts**

Assuming you have a 12 bit virtual address in which the first 4 most significant bits (MSB) are used for storing the VPN. How many offset values can be accommodated?

Answer

☐ 1024☐ 512☐ 256☐ Cannot be determined[+ New question](#)[+ New question group](#)[🔍 Find questions](#)☐ Notify users this quiz has changed[Cancel](#)[Save](#)