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Solution

Simulator: pagetrans.py

Command: **pagetrans.py -a 8k -p 2k -r 128k -s 104**

Solution:

Virtual Address Trace

VA 0x00000088 (decimal: 136) ---→	RA 0x0001b888 [VPN= 0]
VA 0x00000555 (decimal: 1365) ---→	RA 0x0001bd55 [VPN= 0]
VA 0x00001ca7 (decimal: 7335) →	RA 0x00019ca7 [VPN= 3]
VA 0x000003c7 (decimal: 967) →	RA 0x0001bbc7 [VPN= 0]
VA 0x000014f8 (decimal: 5368) →	Not Valid

Simulator: pagetablesize.py

Command: **pagetrans.py -a 8k -p 2k -r 128k -s 104**

Solution:

Virtual Address (VA) = [Virtual Page Number (VPN) | Offset (D)]

VA (bits)	VPN (bits)	D (bits)	pte (byte)
38	24	14	1

Calculate (Linear Page Table Size) and write the results in the simplest readable form (e.g. byte, KB, MB, GB, and TB)

Linear Page Table Size = 16 MB