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## Solution

**Simulator:** pagetrans.py

**Command:** python ./pagetrans.py -a 4k -p 1k -r 128k -s 100

**Solution:**

Virtual Address Trace

VA 0x00000ccc (decimal: 3276) →	RA 0x0000dccc [VPN= 3]
VA 0x00000886 (decimal: 2182) →	RA 0x00016886 [VPN= 2]
VA 0x00000148 (decimal: 328) →	Not Valid
VA 0x0000074b (decimal: 1867) →	Not Valid
VA 0x000000c4 (decimal: 196) →	Not Valid

**Simulator:** pagetablesizes.py

**Command:** python ./pagetablesizes.py -v 38 -e 1 -p 16k

**Solution:**

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

VA (bits)	VPN (bits)	D (bits)	pte (byte)
38	24	14	16777216

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 MIB**