16E

16E -1

	(Address Size)	(Page Size)	,
(2)	n	$P = 2^{p}$	Number of PTEs
0	16	4K	216-12= 94= 16
	16	8K	$2^{16-13} = 2^3 = 8$
	32	4K (	232-12 = 220 = 1 1
	32	8 K	232-13 = 219 = 512K
	Č	)	

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The size of each virtual page is 2° bytes and each page in the system requires a PTE so that it can be indexed. Hence:

# PTEs = 
$$\frac{2^n}{2^p}$$
 =  $2^{n-p}$  = # pages\_in\_system