(4) to check for every value of n when the value

of n become at n=14

100n² = 100 × 15²

= 100 · × 225

= 22500

2^2 = 215

= 32768, therefore, this algorith takes less time compare to the first one

1						
(5)		1 Second	1 minute	hour	Idax	
	19 n	210%	1 minute	236.108	2864-108	
	Vn	1012	36×10 <sup>14</sup>	1296×106	7.4x1016	
	n	106	6X10+	36×108	864×108	
	nign	62746	2.8×106	1.34103	2.7 ×109	1.
	$n^2$	1000	7745	60000	1609968	
	n <sup>3</sup>	100	391	1532	4420	
	2 <sup>n</sup>	19	25	31	36	•
	n!	9	11	12	13	
				4		7
		,				