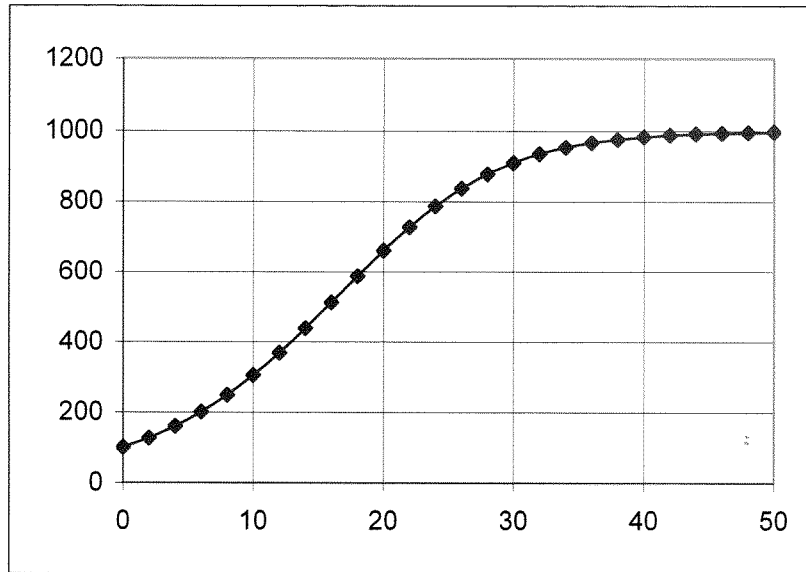


Δt	t	$P(t)$	$\Delta P(t)$	$\Delta P(t)/\Delta t$
	0	100		
	2	127	27	
	4	160	33	
	6	201	40	
	8	249	48	
	10	305	56	
	12	368	64	
	14	438	70	
	16	512	74	
	18	587	75	
	20	660	73	
	22	727	67	
	24	787	60	
	26	837	50	
	28	878	41	
	30	910	32	
	32	935	25	
	34	953	18	
	36	966	13	
	38	976	10	
	40	983	7	
	42	988	5	
	44	992	4	
	46	994	2	
	48	996	2	
	50	997	1	



Calculate the average rate of change in $P(t)$ with respect to t over each successive interval of length two. Explain how the average rate of change is changing as t goes from zero to 50.