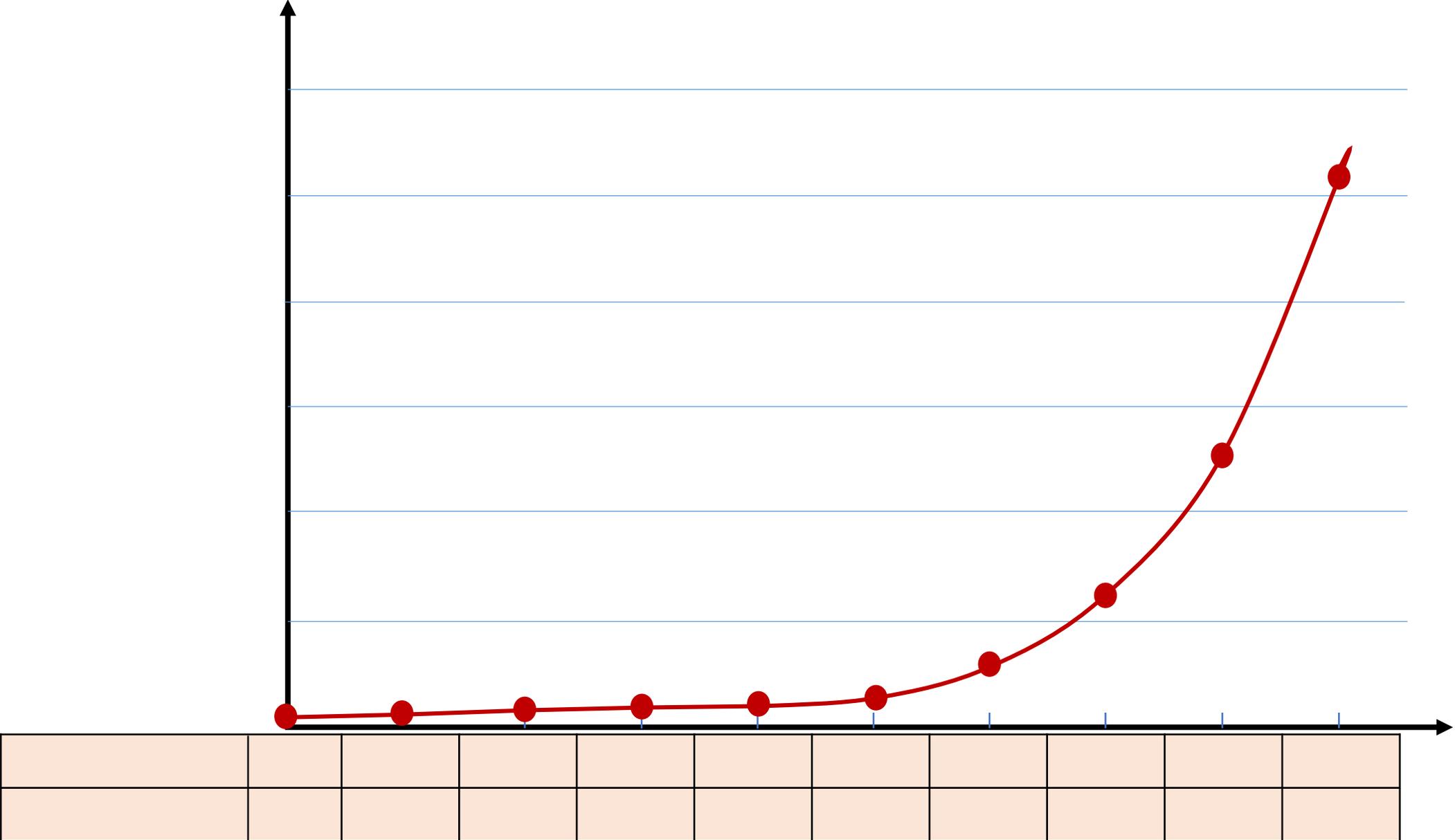
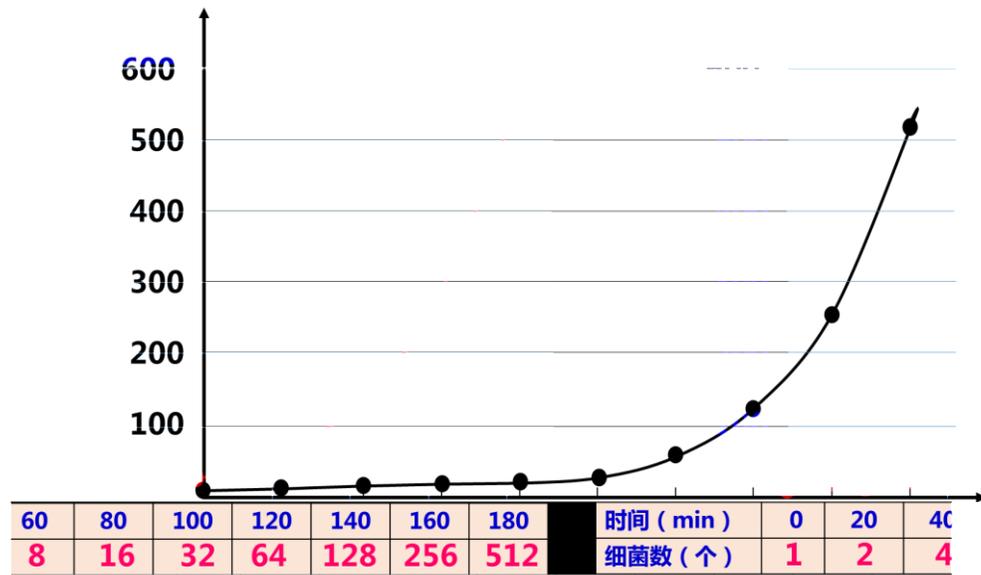


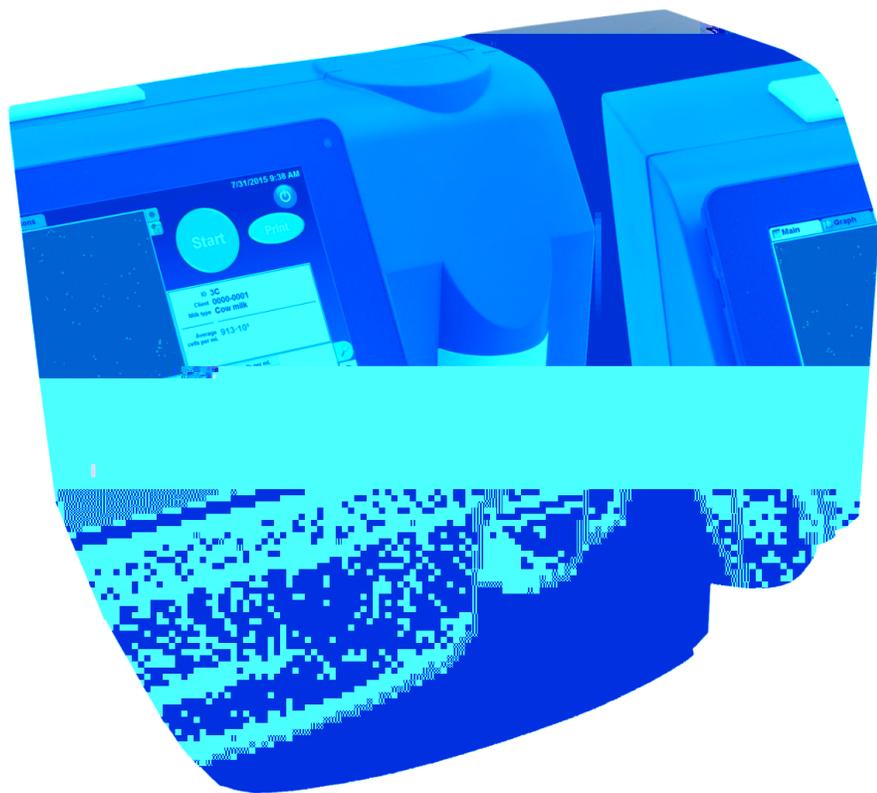
在营养和生存空间没有限制的情况下，某种细菌20min就通过分裂增殖一次。

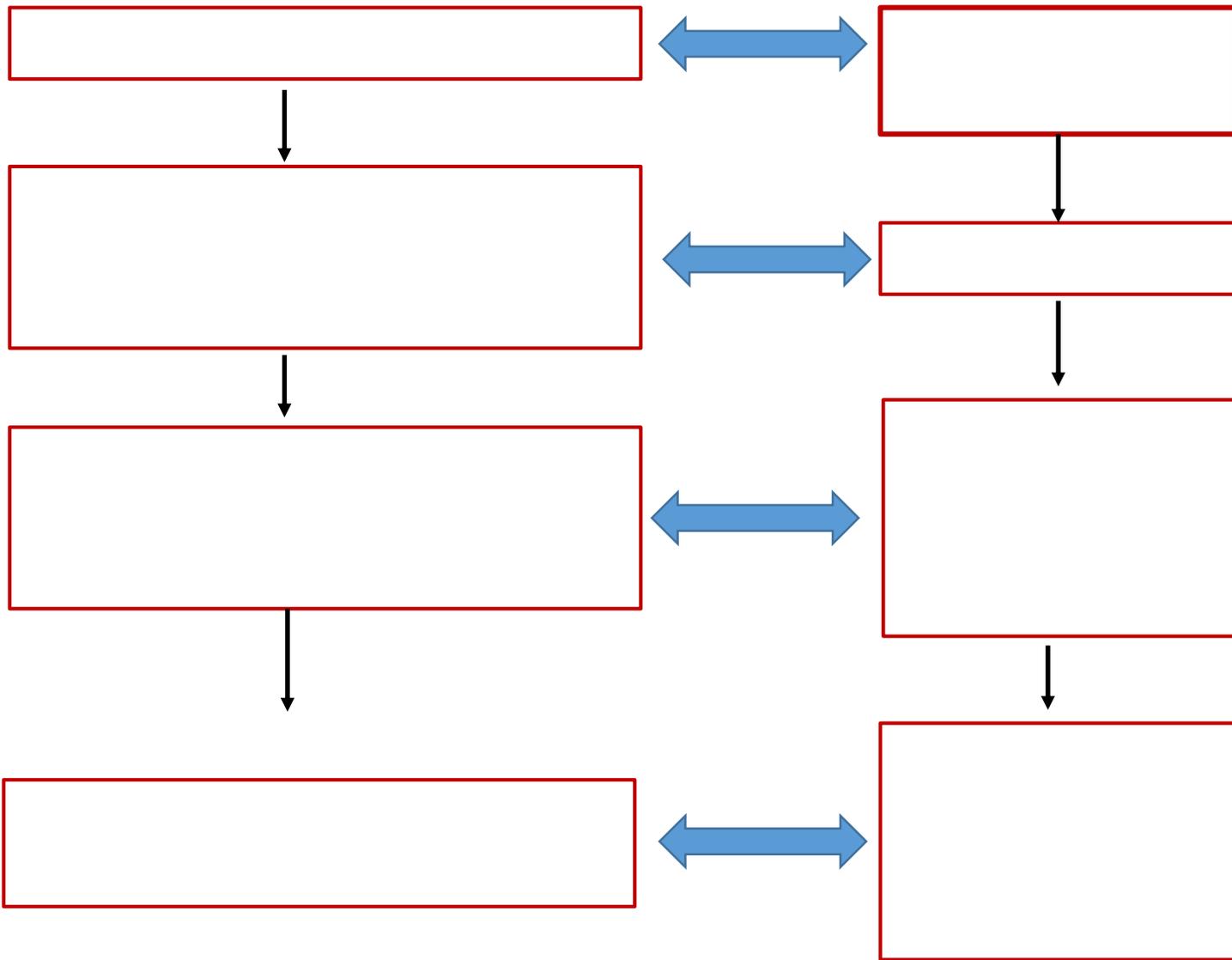


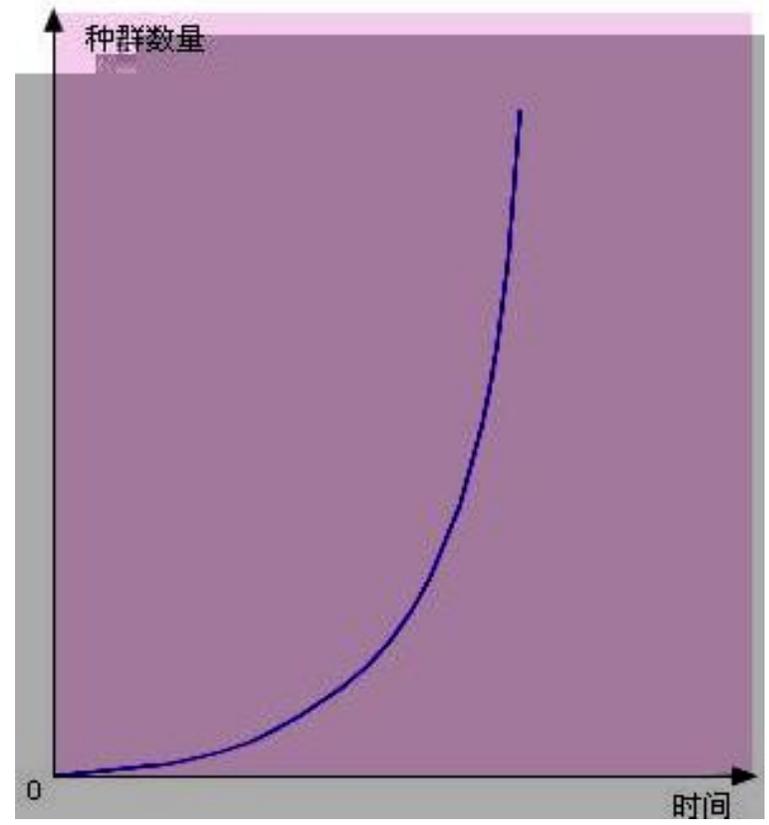


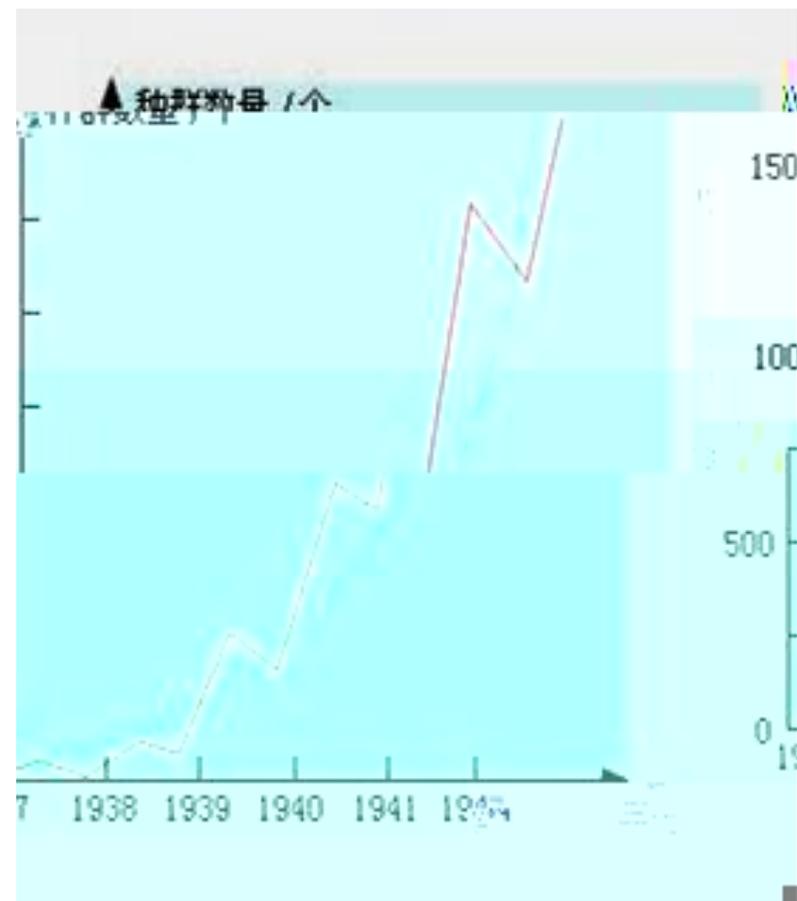


思考*讨论



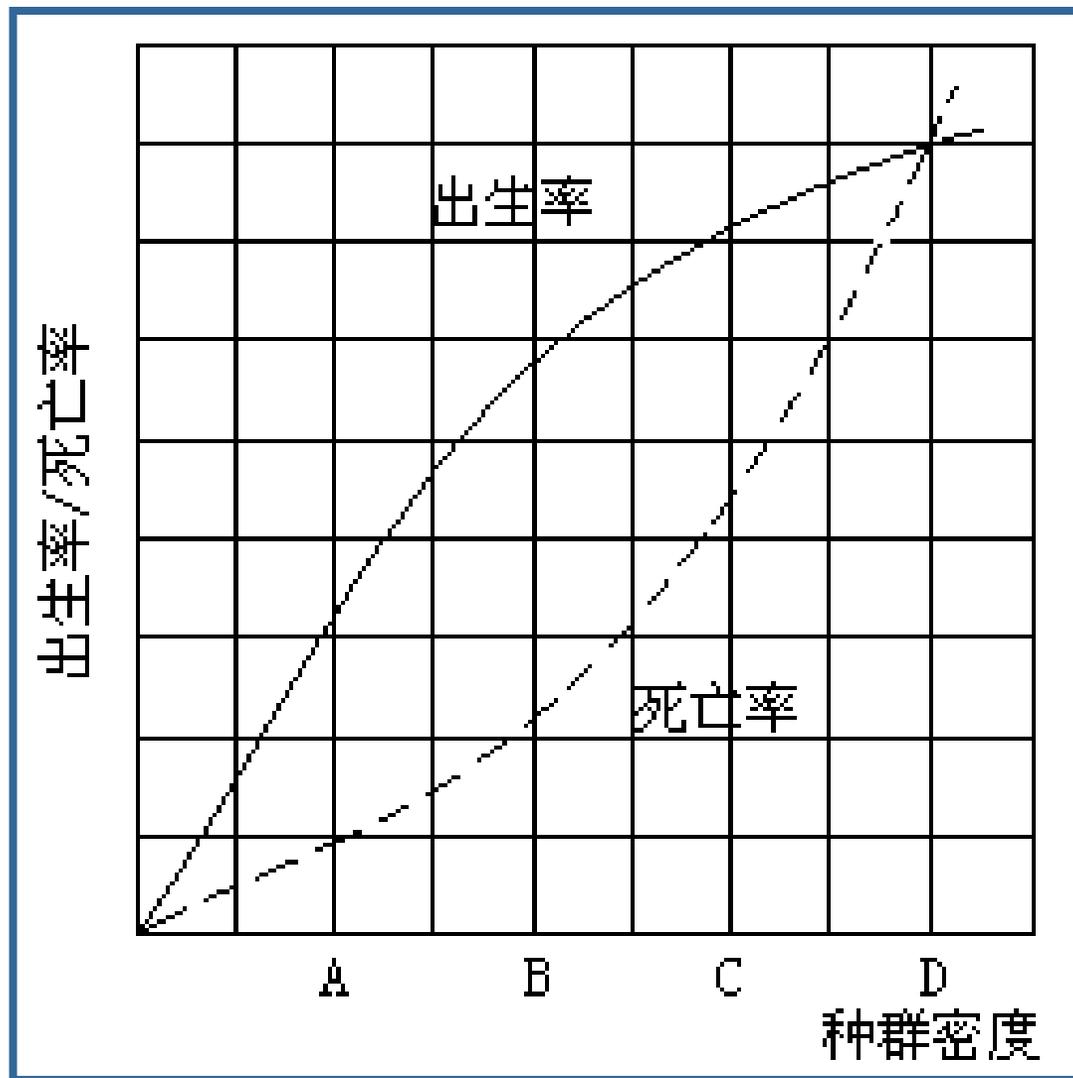






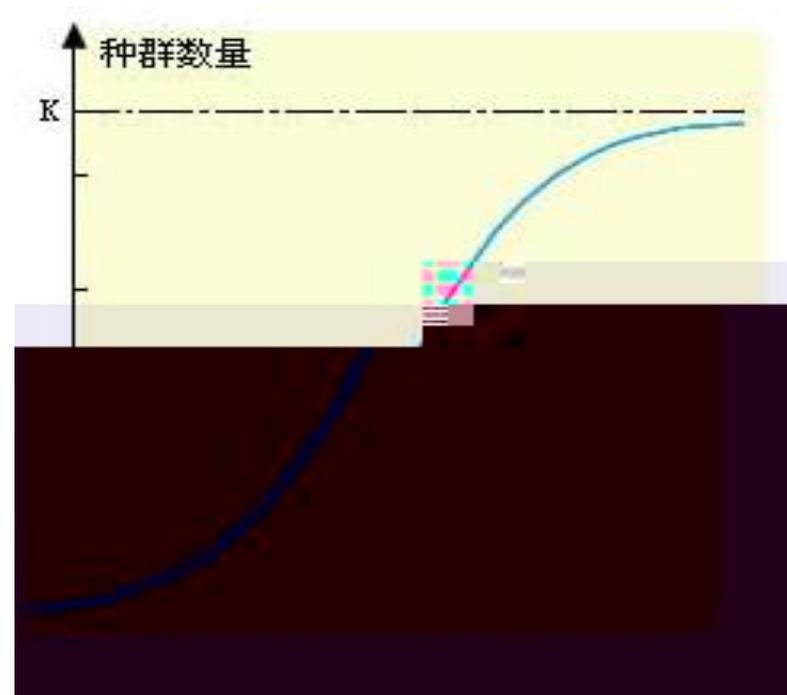


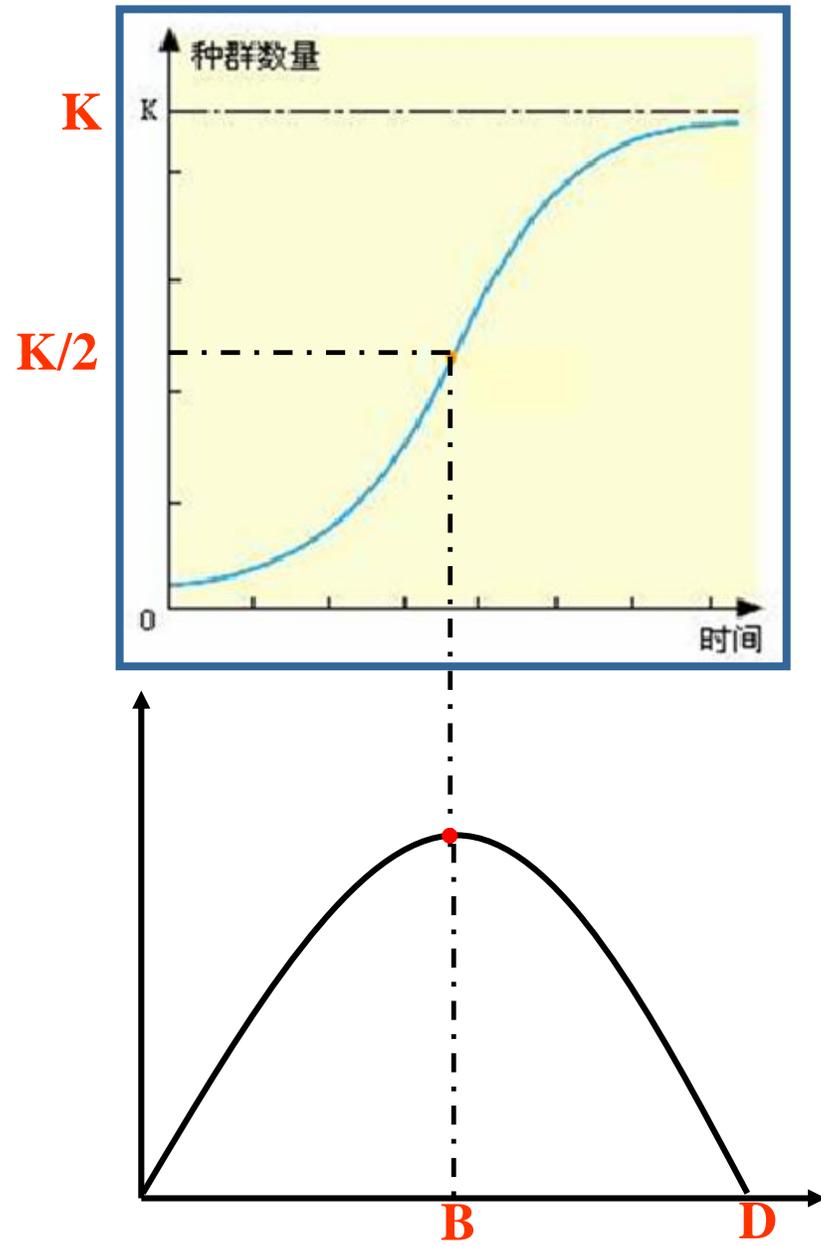
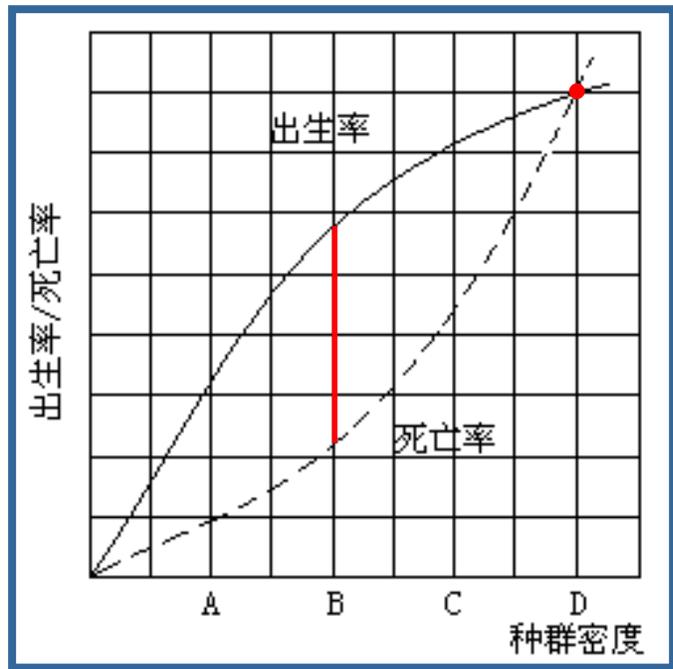
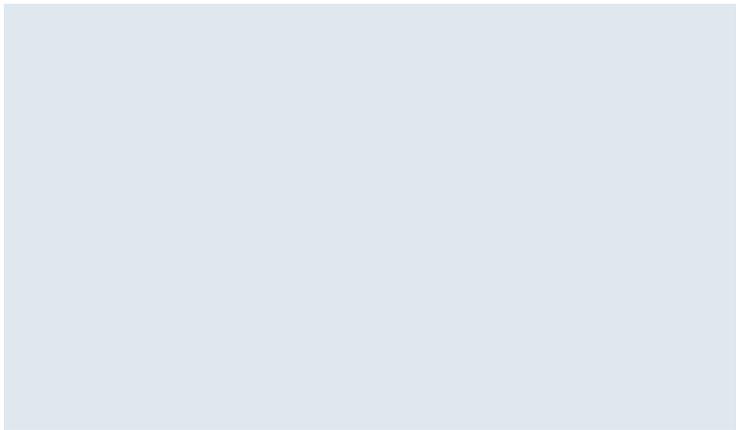
年 份	总人口 (年末)	按 性 别 分				按 城 乡 分				出生率 单位	死亡率 ‰	自然增长率
		男		女		城 镇		乡 村				
		人口数	比重 (%)	人口数	比重 (%)	人口数	比重 (%)	人口数	比重 (%)			
1990	114333	58904	51.52	55429	48.48	30195	26.41	84138	73.59	21.06	6.67	14.39
1991	115823	59466	51.34	56357	48.66	31203	26.94	84620	73.06	19.68	6.7	12.98
1992	117171	59811	51.05	57360	48.95	32175	27.46	84996	72.54	18.24	6.64	11.6
1993	118517	60472	51.02	58045	48.98	33173	27.99	85344	72.01	18.09	6.64	11.45
1994	119850	61246	51.10	58604	48.90	34169	28.51	85681	71.49	17.7	6.49	11.21
1995	121121	61808	51.03	59313	48.97	35174	29.04	85947	70.96	17.12	6.57	10.55
1996	122389	62200	50.82	60189	49.18	37304	30.48	85085	69.52	16.98	6.56	10.42
1997	123626	63131	51.07	60495	48.93	39449	31.94	84177	68.09	16.57	6.51	10.06
1998	124761	63940	51.25	60821	48.75	41608	33.35	83153	66.65	15.64	6.5	9.14
1999	125786	64692	51.43	61094	48.57	43748	34.78	82038	65.22	14.64	6.46	8.18
2000	126743	65437	51.63	61306	48.37	45906	36.22	80837	63.78	14.03	6.45	7.58
2001	127627	65672	51.46	61955	48.54	48064	37.66	79563	62.34	13.38	6.43	6.95
2002	128453	66115	51.47	62338	48.53	50212	39.09	78241	60.91	12.86	6.41	6.45
2003	129227	66556	51.50	62671	48.50	52376	40.53	76851	59.47	12.41	6.4	6.01
2004	129988	66976	51.52	63012	48.48	54283	41.76	75705	58.24	12.29	6.42	5.87
2005	130756	67375	51.53	63381	48.47	56212	42.99	74544	57.01	12.12	6.51	5.61
2006	131448	67728	51.52	63720	48.48	57706	43.90	73742	56.10	12.09	6.81	5.28
2007	132129	68048	51.48	64081	48.50	59379	44.94	72750	55.06	12.1	6.93	5.17
2008	132802	68357	51.47	64445	48.53	60667	45.68	72135	54.32	12.14	7.06	5.08

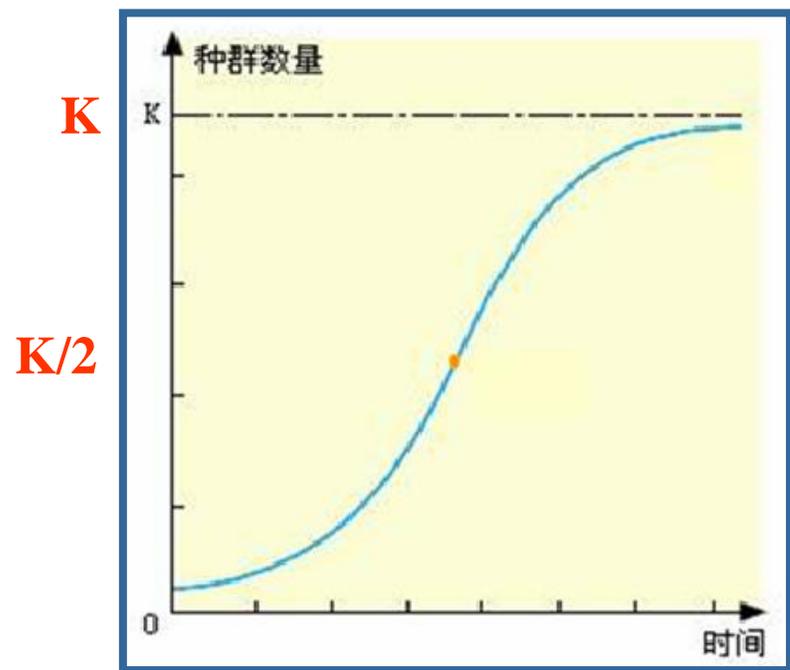




思考*讨论

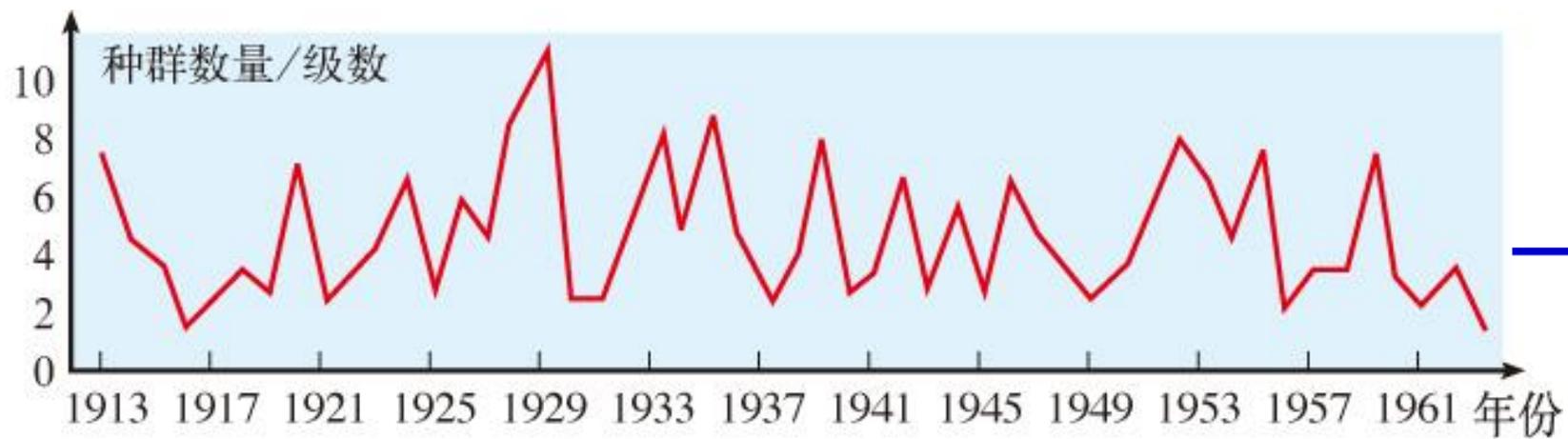




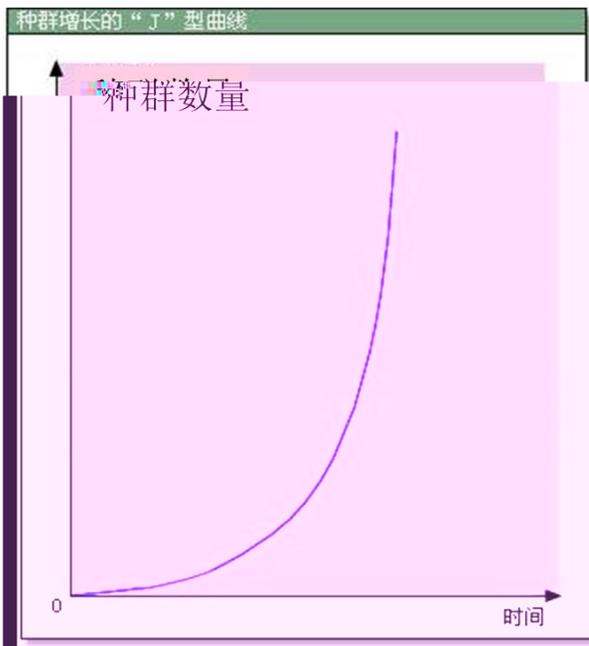




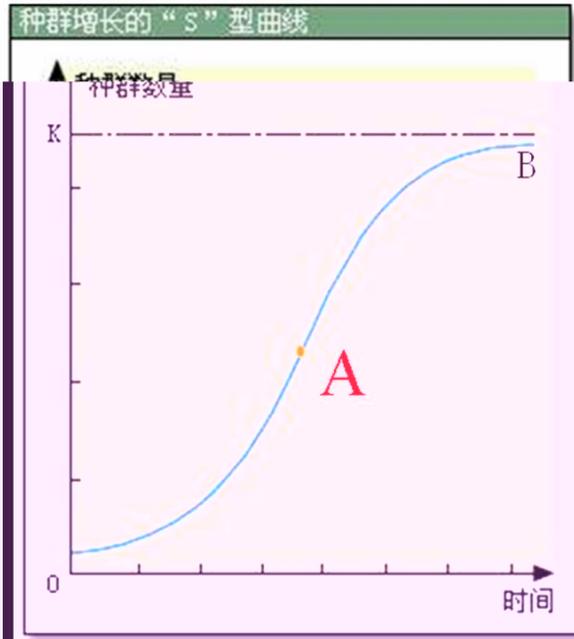
思考*讨论



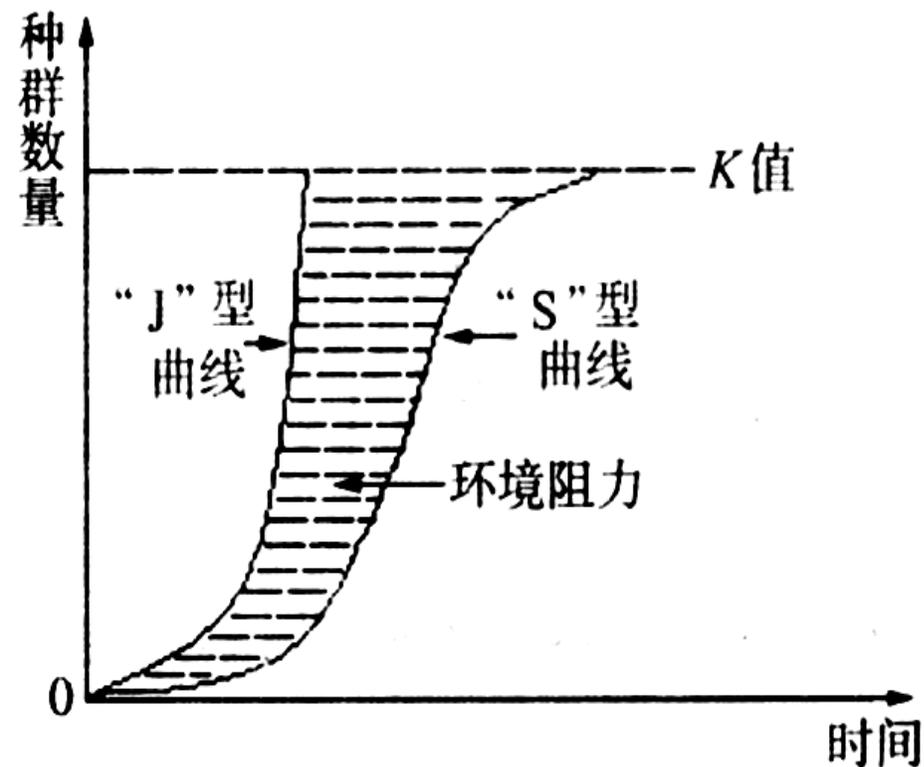
——波动型曲线



种群增长的“J”型曲线



种群增长的“S”型曲线



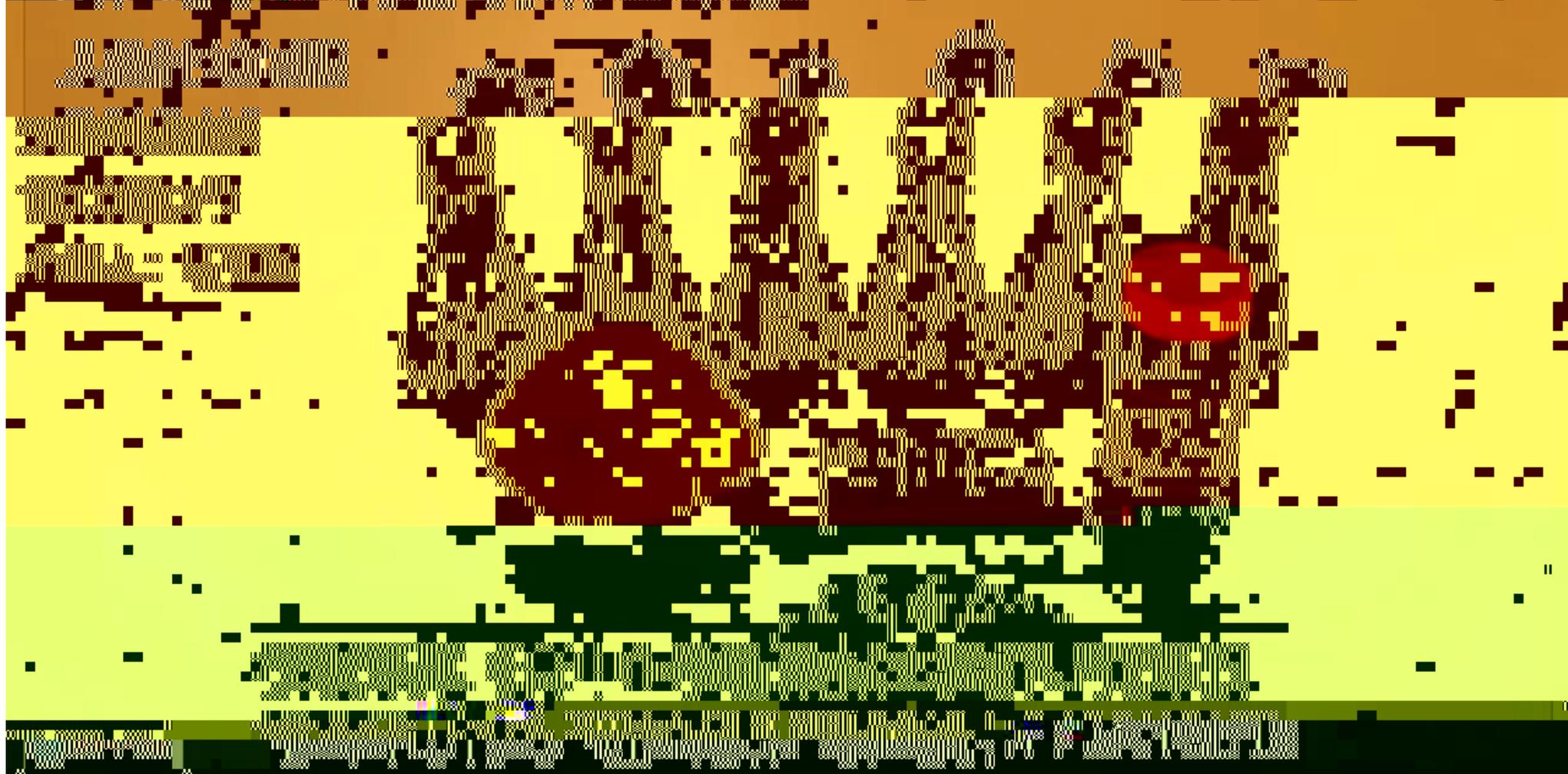
(在理想状态下的种群增长) (在有限环境下种群增长)



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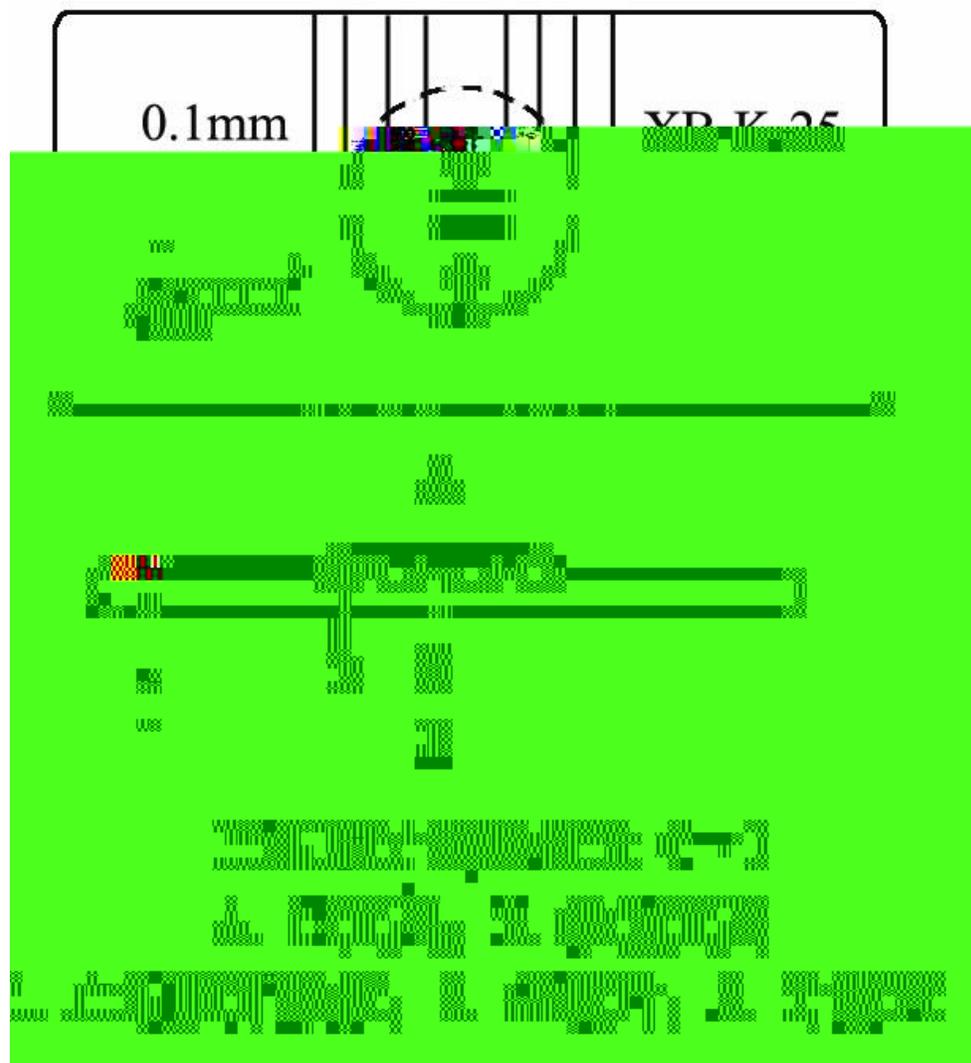
培养液中酵母菌种群数量的变化

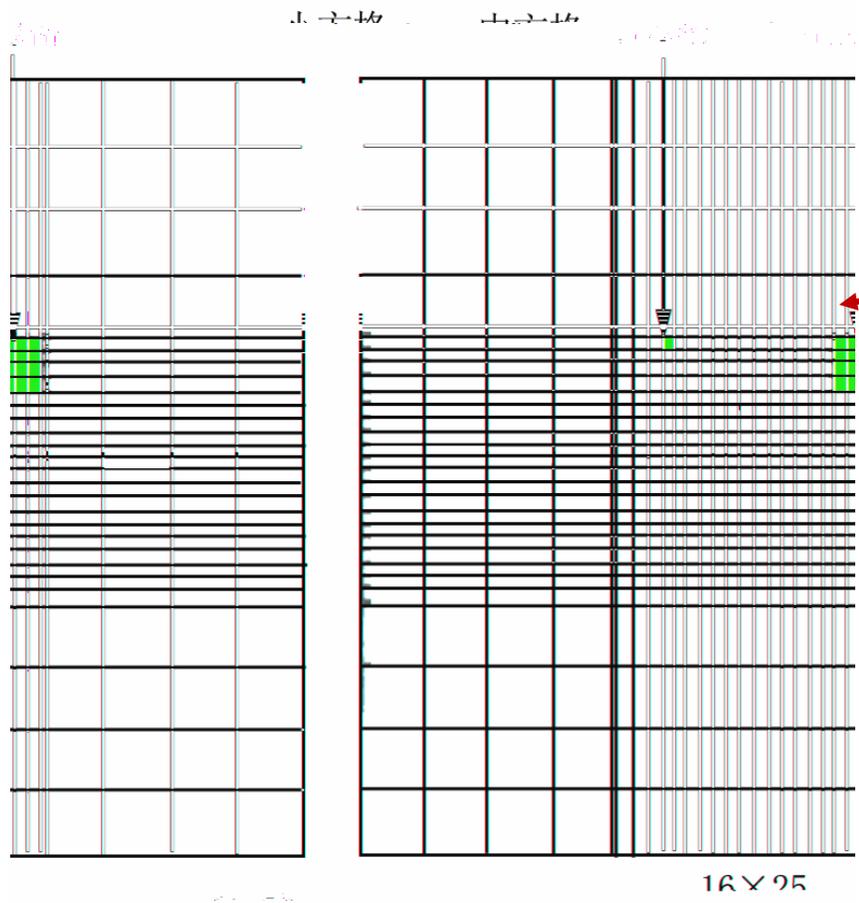
yry330 bilibili



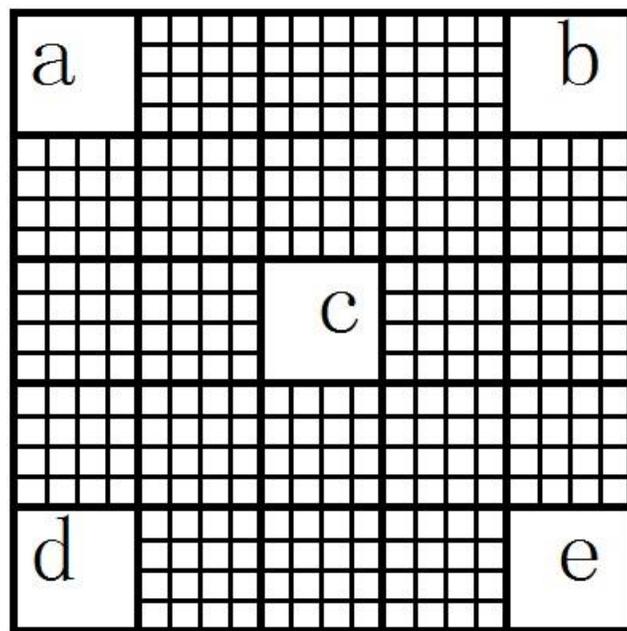
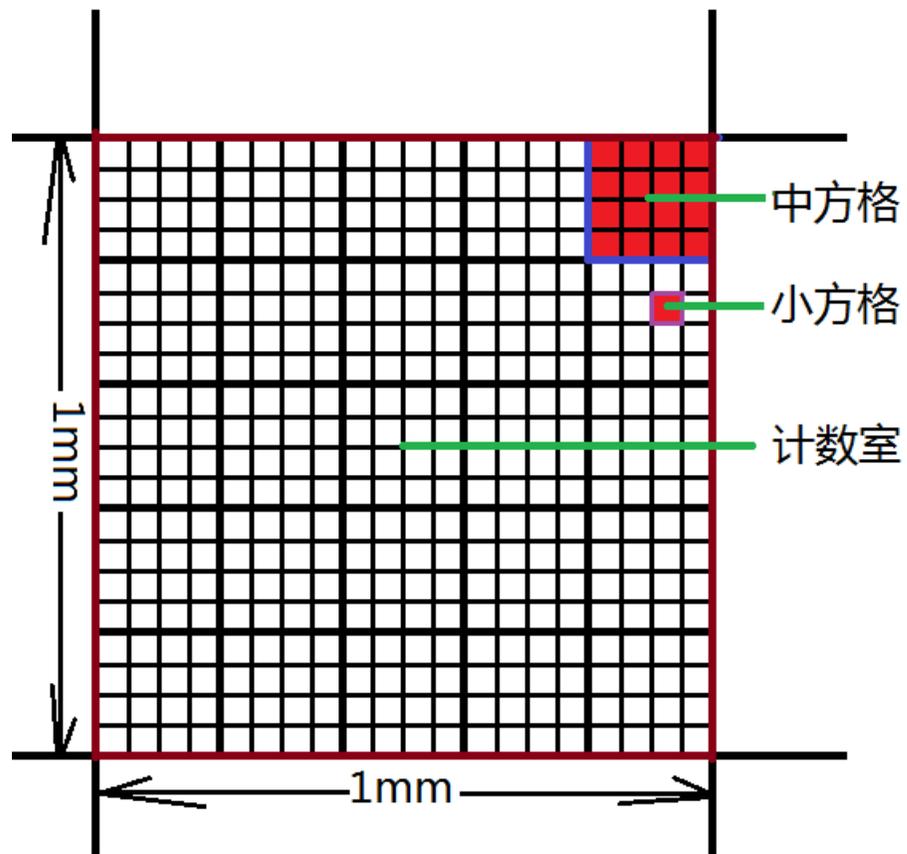


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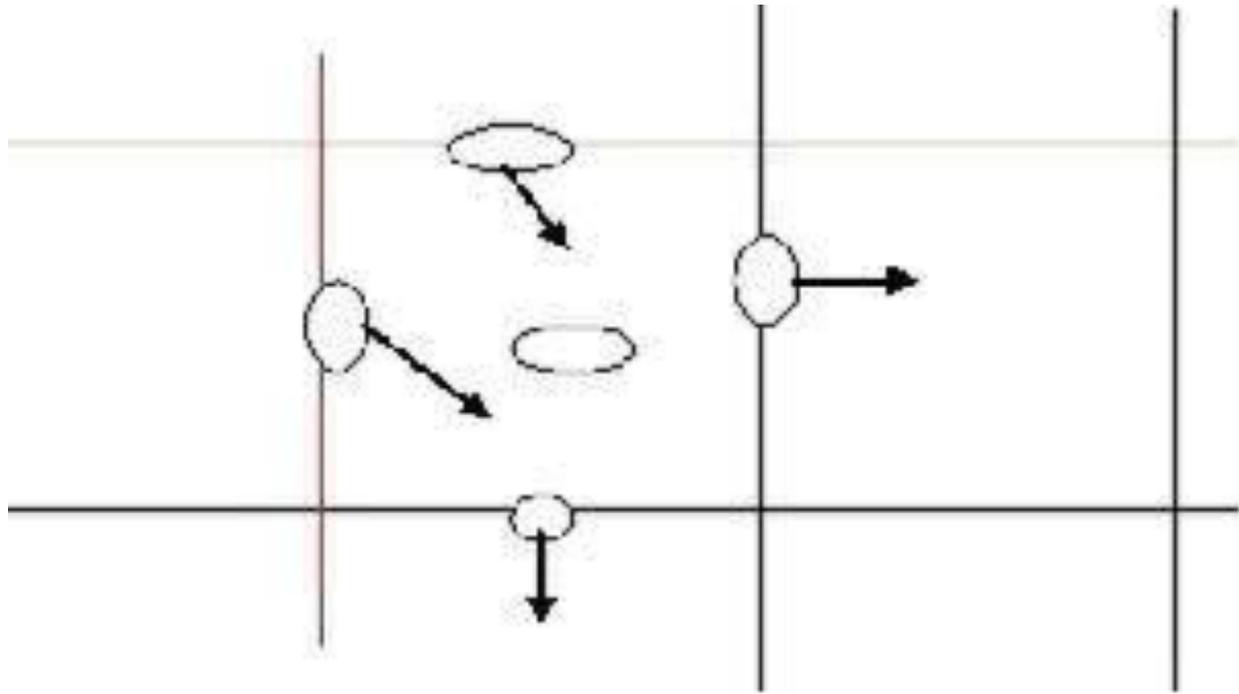


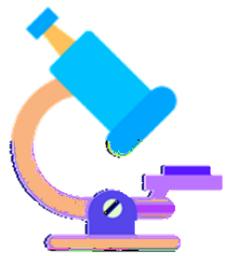
血细胞计数板构造 (二)





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