

Number of factors,  $k$

3 4 5 6 7 8 9

increasing  
cost

Number of runs

4	$2^{3-1}_{III}$  $\pm C=AB$						
8	$2^3$  <i>full</i>	$2^{4-1}_{IV}$  $\pm D=ABC$	$2^{5-2}_{III}$  $\pm D=AB$ $\pm E=AC$	$2^{6-3}_{III}$  $\pm D=AB$ $\pm E=AC$ $\pm F=BC$	$2^{7-4}_{III}$  $\pm D=AB$ $\pm E=AC$ $\pm F=BC$ $\pm G=ABC$		
16	$2^3$  <i>twice</i>	$2^4$  <i>full</i>	$2^{5-1}_V$  $\pm E=ABCD$	$2^{6-2}_{IV}$  $\pm E=ABC$ $\pm F=ABD$	$2^{7-3}_{IV}$  $\pm E=ABC$ $\pm F=ABD$ $\pm G=ACD$	$2^{8-4}_{IV}$  $\pm E=ABC$ $\pm F=ABD$ $\pm G=ACD$ $\pm H=BCD$	$2^{9-5}_{III}$
32	$2^3$  <i>4 times</i>	$2^4$  <i>twice</i>	$2^5$  <i>full</i>	$2^{6-1}_{VI}$  $\pm F=ABCDE$	$2^{7-2}_{IV}$  $\pm F=ABC$ $\pm G=ABDE$	$2^{8-3}_{IV}$  $\pm F=ABC$ $\pm G=ABD$ $\pm H=ACDE$	$2^{9-4}_{IV}$
64	$2^3$  <i>8 times</i>	$2^4$  <i>4 times</i>	$2^5$  <i>twice</i>	$2^6$  <i>full</i>	$2^{7-1}_{VII}$  $\pm G=ABCDEF$	$2^{8-2}_V$  $\pm G=ABCD$ $\pm H=ABEF$	$2^{9-3}_{IV}$

increasing information  
about additional factors

lower resolution  
greater aliasing