	A	B	C	D	E
1		**Example 4.2**		**Example 4.3**	
2		**(a)**	**(b)**	**(a)**	**(b)**
3	?-sided test?	1	1	2	2
4	α	0.05	0.05	0.05	0.05
5	$z_{(1-\alpha/2)}$	1.645	1.645	1.960	1.960
6	β	0.200	0.200	0.200	0.200
7	1-β	0.800	0.800	0.800	0.800
8	$z_{(1-\beta)}$	0.842	0.842	0.842	0.842
9					
10	sigma	74,000	74,000	74,000	74,000
11	mean	55,000	55,000	55,000	55,000
12	*deff*	1.6	1.6	1.6	1.6
13	δ	5,000	2,500	5,000	2,500
14					
15	n.eff	1,354.2	5,416.9	1,719.2	6,876.9
16	n	2,166.8	8,667.1	2,750.7	11,003.0

	A	B	C	D	E
1		**Example 4.2**		**Example 4.3**	
2		**(a)**	**(b)**	**(a)**	**(b)**
3	?-sided test?	1	1	2	2
4	α	0.05	0.05	0.05	0.05
5	$z_{(1-\alpha/2)}$	=NORMSINV(1-B4/B3)	=NORMSINV(1-C4/C3)	=NORMSINV(1-D4/D3)	=NORMSINV(1-E4/E3)
6	β	0.2	0.2	0.2	0.2
7	1-β	=1-B6	=1-C6	=1-D6	=1-E6
8	$z_{(1-\beta)}$	=NORMSINV(1-B6)	=NORMSINV(1-C6)	=NORMSINV(1-D6)	=NORMSINV(1-E6)
9					
10	sigma	74000	=B10	74000	74000
11	mean	55000	=B11	55000	55000
12	*deff*	1.6	=B12	1.6	1.6
13	δ	5000	2500	5000	2500
14					
15	n.eff	=(B10*(B5+B8)/B13)^2	=(C10*(C5+C8)/C13)^2	=(D10*(D5+D8)/D13)^2	=(E10*(E5+E8)/E13)^2
16	n	=IF(OR(B12="",B12=1),"",B15*B12)	=IF(OR(C12="",C12=1),"",C15*C12)	=IF(OR(D12="",D12=1),"",D15*D12)	=IF(OR(E12="",E12=1),"",E15*E12)