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Table 4. Solution 1; found feed compositions, adjacent relative volatilities, VF values and similarities

Component	mol-%	α	VF	s	sequence	ref.
1 A	57.6	1.47	820	0.5	x	Hartmann and Kaplick, 1990, p. 180
2 B	5.5	1.72	164	1	x	
3 C	17.7	1.42	456	0.75	x	
4 D	19.2					
Average similarity				0.75		
1 Benzene	31.0	1.90	545	-		Smith, 1995, p.140
2 Toluene	33.0	1.76	450	0.74	y	
3 EB	6.6	1.06	2930	0.54	y	
4 Xylenes	25.0	1.76	340	1	y	
5 C9s	4.9					
average similarity				0.76		

Table 5. Solution 2; found feed compositions, adjacent relative volatilities, VF values and similarities

Component	mol-%	α	VF	s	sequence	ref.
1 ethane	20	3.50	210	0.51	u	Liu et al., 1987, p. 250
2 propylene	15	1.20	1240	0.97	u	
3 propane	20	2.70	258	1	u	
4 1-butane	15	1.21	1032	0.50	u	
5 n-butane	15	3.00	186	-	-	
6 n-pentane	15					
average similarity				0.75		
1 propane	1.5	2.45	70	0.27	w	Liu et al., 1987, p. 157
2 1-butene	14.7	1.18	2060	1	w	
3 n-butane	50.3	1.70	860	0.95	w	
4 2-butenes	27.6	2.50	260	-	-	
5 n-pentane	5.9					
average similarity				0.94		
1 A	20	2.1	280	0.86	v	Gruhn et al., 1977, p.176
2 B	30	28	128	1	v	
3 C	30	3.7	200	0.73	v	
4 D	20					
average similarity				0.86		