

EIA 2 Aufgabe 1 - TRACETABLE

Zeile	n	c	x	y	i	a	Kommentar
6	5	-	0	0	0	-	$0 < 5 \checkmark$
7	-	-	-	50	-	-	$0 == 2 \text{ X} \rightarrow y = 50$
8	-	-	170	-	-	-	$0 + 170; 400 \text{ in } 170 \rightarrow R 170$
9	-	-	-	-	-	-	$i = 0 \rightarrow \text{case 0}$
10/11	-	(rot)	-	-	-	-	break \rightarrow z. 22
22	-	-	-	-	-	50	$50 > 0$
23	-	(rot)	170px	50px	-	50px	
24	-	-	-	-	0	-	$0 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	30	$50 - 20, 30 > 0 \checkmark$
23	-	(rot)	170px	50px	-	30px	
24	-	-	-	-	0	-	$0 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	10px	$30 - 20 = 10, 10 > 0 \checkmark$
23	-	(rot)	170px	50px	-	10px	
24	-	-	-	-	0	-	$0 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	-10	$10 - 20 = -10, -10 > 0 \text{ X}$
6	5	(rot)	170px	50	1	-	$i = 1, 1 < 5 \checkmark$
7	-	-	-	100	-	-	$1 == 2 \text{ X} \rightarrow y = 50 + 50$
8	-	-	340	-	-	-	$170 + 170 = 340 \rightarrow R 340$
9	-	-	-	-	-	-	$i = 1 \rightarrow \text{case 1}$
13-16	-	(grün)	-	-	-	-	break \rightarrow z. 22
22	-	-	-	-	-	50	$50 > 0$
23	-	(grün)	340	100	-	50	
24	-	-	-	-	1	-	$1 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	30	$50 - 20, 30 > 0 \checkmark$
23	-	(grün)	340	100	-	30	
24	-	-	-	-	1	-	$1 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	10	
23	-	(grün)	340	100	-	10	
24	-	-	-	-	1	-	$1 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	-10	$-10 > 0 \text{ X} \rightarrow \text{z. 6}$
6	5	(grün)	340	100	2	-	$i = 2, 2 < 5 \checkmark$
7	-	-	-	120	-	-	$i == 2 \checkmark y = 100 + 20$
8	-	-	110	-	-	-	$x = 340 + 170, 510 - 400 = R 110$
9	-	-	-	-	-	-	$i = 2, \text{ default}$
19	-	(blau)	-	-	-	-	zu Zeile 22
22	-	-	-	-	-	50	$50 > 0$
23	-	(blau)	110	120	-	50	
24	-	-	-	-	2	-	$2 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	30	$50 - 20, 30 > 0 \checkmark$
23	-	(blau)	110	120	-	30	
24	-	-	-	-	2	-	$2 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	10	$30 - 20, 10 > 0 \checkmark$
23	-	(blau)	110	120	-	10	
24	-	-	-	-	2	-	$2 == 4 \text{ X} \rightarrow \text{z. 22}$
22	-	-	-	-	-	-10	$10 - 20 = -10 > 0 \text{ X}$
6	5	(blau)	110	120	3	-	$3 < 5 \checkmark \rightarrow \text{z. 7}$
7	-	-	-	150	-	-	$3 == 2 \text{ X} \rightarrow 100 + 50$
8	-	-	280	-	-	-	$110 + 170 = 280 \rightarrow R 280$
9	-	-	-	-	3	-	$i = 3 \rightarrow \text{case 3} \rightarrow \text{z. 6}$
6	-	(blau)	280	150	4	-	$i = 4, 4 < 5 \checkmark$
7	-	-	-	200	-	-	$4 == 2 \text{ X} \rightarrow + 50$
8	-	-	50	-	-	-	$280 + 170 = 450 \rightarrow R 50$
9	-	-	-	-	4	-	$i = 4 \rightarrow \text{case 4}$
14	-	(grün)	-	-	-	-	zu Zeile 22

Zeile	n	c	x	y	i	a	Kommentar
22	—	—	—	—	—	50	$50 > 0$
→ 23	—	(gmin)	50	200	—	50	
24	—	—	—	—	4	—	$4 == 4 \rightarrow \text{break} \rightarrow 2.6$
6	5	(gmin)	50	200	5	—	$5 < 5 \quad X \rightarrow \text{Ende}$