(E, B, B, Ø, T)

 $EB = \{E:BB \mid Z_1 \leq -17, Z_2 \}, -17, Z_3 \leq -24, Z_4 \}, -29\}; \beta:ST$ $\Rightarrow \{E:BB \mid Z_1 \leq -17, Z_2 \}, -17, Z_4 \}, -29\}; \beta:SB \mid Z_3 \leq -29\};$ $FixDV = \{E:BB \mid Z_1 \leq -17, Z_2 \}, -17, Z_4 \}, -29\}; \beta:SB \mid Z_2 \leq -29\};$ $DV = \{E:B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B:UPd \mid B, X, C, E'\}; SB \mid Z_3 \leq -24\}; DV = \{E:B:UPd \mid B:UPd \mid B:U$

pivot on,
$$Z_3$$
 β' $Z_1 \mapsto Z_3 \mapsto -29$ $Z_2 \mapsto Z_4 \mapsto Z$

$$Z_3 = 3x + 7y \Rightarrow x = \frac{Z_3 - 7y}{3}$$

E': Replace ax in all eq^N

$$Z_2 = 2\left(\frac{Z_3 - 7y}{3}\right) + 5y = \frac{2}{3} Z_3 + \frac{4}{3} = 21$$

(a)
$$z_{2} \mapsto -16$$
 $z_{1} \mapsto -16$
 $z_{3} \mapsto -29$
 $z_{4} \mapsto -29$
 $z_{4} \mapsto -8$
 $y \mapsto 0$

(a) $z_{3} \leq -29$; DV

(b) $z_{3} \leq -29$; DV

(c) $z_{3} \leq -29$; DV

(e) $z_{3} \leq -29$; DV

(f) $z_{3} \leq -29$; DV

(e) $z_{3} \leq -29$; DV

(f) $z_{3} \leq -29$; DV

(e) $z_{3} \leq -29$; DV

(f) $z_{$

$$\beta'' \quad Z_1 \longmapsto -17$$

$$Z_1 \longmapsto -17$$

$$Z_2 \longmapsto -17$$

$$Z_3 \longmapsto -29$$

$$Z_4 \longmapsto -29$$

$$\begin{array}{c} ACR \\ \Longrightarrow (E'', B \uplus \{ Z_2 7, -17, Z_4 7, -249, \beta''; \\ S \uplus \{ Z_3, Z_1 9, T \} \\ (EB, AB)^{*2} \\ \Longrightarrow (E'', B; \beta''; S \uplus \{ Z_1, Z_2, Z_3, Z_4 9; T \} \end{array}$$

```
(i) x+2y-2710
            y 20
                             (2) 2+2y-2714
        2x+y+ 2 ≤ 14
        21 4×+27+3≥ ≤28
         2x+5j+5z <30
                              21 < 14 By 2 (14) 22 < 28
       2x+y+z=Z1
       42+29+32=22
       2x+5y+5z=23
       x+2y-8=24
                               23 ≤30
    (E; B; Bo; Ø; T)
EB (E; B \ \ x > 0 4, B; SU \ x > 0 4; IV)
AB (E; B; B; S; T)

EB (E; B) (4705; B; SU(4705; N)
AB (E; B; B; S; T)
(E; B) (Z>0Y; B; SU(Z)0Y; N)

AB
(E; B; B; S; T)
   (E; B; B; S; T)
```

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EB (E; B\
$$\langle zq \geq 10\dot{y}, \beta, 30\langle zq \rangle 10\dot{y}; 1v\dot{y}$$
)

 $(E; B; \beta; 5; Dv)$

Fixor

 $(E', B, upd (\beta, E'), 5, Dv)$

Fixor

 $(E', B, p; 5; Dv)$

Fixor

 $(E', B; \beta; 5; Dv)$

Fixor

 $(E', B; \beta; 5; Dv)$

Fixor

 $(E', B, p; 5; Dv)$

Fixor

 $(E', B, p; 5; Dv)$

Fixor

Fixor

Fixor

 $(E', B, p; 5; Dv)$

Fixor

Fi

Z4 H>10

Fix DV

$$E'': Z_1 \leq 19 \text{ f}$$
 $E'': Z_1 \leq 19 \text{ f}$
 $E'': Z_2 \leq 29 \text{ f}$
 $E'': Z_1 \leq 2$

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 $\stackrel{EB \times 2}{\Rightarrow} (E''; B \mid \gamma' \stackrel{?}{\rightleftharpoons} \stackrel{?}{\rightleftharpoons} \stackrel{?}{\Rightarrow} (E''; B; \beta''; S; T)$ $\stackrel{\Rightarrow}{\Rightarrow} (E''; B; \beta''; S; T)$