



$$r \wedge A = r \vee A + A = r \wedge 1 + r \vee 0 = (r \wedge 1 + r \vee 0) \wedge r = r \quad -10$$

$$\neg) (r \wedge 1 + r \vee 0) \wedge r$$

$$(a, b) = \wedge \quad \wedge a' + \wedge b' = r \Rightarrow a' + b' = \Delta \quad (a', b') = 1 \quad -11$$

$$[a, b] = a' b' d$$

$$a' = 1, b' = r \rightarrow [a, b] = r r$$

$$a' = r, b' = r \rightarrow [a, b] = r \times r \times \wedge = r \wedge$$

$$(rn + \Delta, rn + 1) = d \Rightarrow d \mid rn + \Delta \Rightarrow d \mid rn + 1 \quad -12$$

$$d \mid rn + 1 \Rightarrow d \mid -rn - r$$

$$\Rightarrow d \mid r \Rightarrow d = \pm 1, r$$

$$\text{mand} = r$$

$$r! \Delta \times r! 0$$

$$r! 0 = r! \wedge \times r! \wedge$$

$$\rightarrow (r! 0 = r! \Delta \times r! \wedge$$

$$r! 0 \rightarrow \left[ \frac{r! 0}{r} \right] + \left[ \frac{r! 0}{2} \right] + \left[ \frac{r! 0}{\Delta} \right] + \left[ \frac{r! 0}{r \Delta} \right] = 1 + \Delta + r + 1 = r$$

$$r! 0 \rightarrow \left[ \frac{r! 0}{r} \right] + \left[ \frac{r! 0}{\Delta} \right] + \left[ \frac{r! 0}{r \Delta} \right] \rightarrow r + r = \wedge$$

$$\begin{array}{r} a \mid b \\ \hline r \quad q \end{array}$$

$$a = bq + r$$

$$\begin{array}{r} a + r \vee \mid b \\ \hline r - \Delta \quad q + r \end{array} \quad -13$$

$$a + r \vee = b(q + r) + r - \Delta$$

$$a + r \vee = bq + rb + r - \Delta$$

$$\cancel{a + r \vee} = \cancel{a} + rb - \Delta \Rightarrow rb = \Delta \rightarrow b = r$$

$$\begin{array}{r} \text{Jub} \\ \text{dizik} \\ \swarrow \searrow \\ a \Delta \Delta \end{array}$$