

# t30\_jordan18 (TMLvhS- FCex8bA7X4bGuuWua719ycySCYHxL)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k15\_euclid : \iota \Rightarrow \iota$  be given. Let  $r1\_jordan18 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & \quad X1 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid X0)))) \Rightarrow (\forall X2. \\ & \quad (m1\_subset\_1 X2 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X3.( \\ & \quad m1\_subset\_1 X3 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X4.(m1\_subset\_1 \\ & \quad X4 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (r1\_jordan18 X0 X1 X2 X3 X4 X3)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & \quad X1 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid X0)))) \Rightarrow (\forall X2. \\ & \quad (m1\_subset\_1 X2 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X3.( \\ & \quad m1\_subset\_1 X3 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X4.(m1\_subset\_1 \\ & \quad X4 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X5.(m1\_subset\_1 X5 \\ & \quad (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow ((r1\_jordan18 X0 X1 X2 X3 X4 X5) \Rightarrow \\ & \quad (r1\_jordan18 X0 X1 X3 X2 X4 X5)))))) \end{aligned} \tag{2}$$

## Theorem 1

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & \quad X1 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid X0)))) \Rightarrow (\forall X2. \\ & \quad (m1\_subset\_1 X2 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X3.( \\ & \quad m1\_subset\_1 X3 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (\forall X4.(m1\_subset\_1 \\ & \quad X4 (u1\_struct\_0 (k15\_euclid X0))) \Rightarrow (r1\_jordan18 X0 X1 X2 X3 X4 X2)))))) \end{aligned}$$