















































$$\frac{\frac{0: A_8, 1: A_8 \text{ (TR2)}}{0: A_1, 1: A_1} \text{ (TR1), } 010010 \text{ 满足 } \langle n6 \rangle}{\frac{010010: A_1}{010010: A_1 \text{ with } \langle n6 \rangle} \text{ (TR2), } B_{11} = A_1 \text{ with } \langle n6 \rangle},$$

$$t_{21} = 010010: B_{11}$$

$$\frac{\frac{0: A_1, 1: A_1 \text{ (TR1), } 01 \text{ 满足 } \langle \dots 2 \rangle}{01: A_1} \text{ (TR2), } B_{13} = A_1 \text{ with } \langle \dots 2 \rangle}{01: A_1 \text{ with } \langle \dots 2 \rangle},$$

$$t_{22} = 01: B_{13}$$

$$\frac{\frac{\frac{0: A_1, 1: A_1, 4: A_1 \text{ (TR1), } 000014 \text{ 满足 } \langle n6 \rangle}{000014: A_1} \text{ (TR2)}}{t_{15} = 000014: A_1 \text{ with } \langle n6 \rangle} \text{ (TR6), } B_1 = E_3, B_1 = \{instId: A_1 \text{ with } \langle anl6 \rangle\}}{l = instId, \frac{range\_exp(t_{21}, t_{22}, t_{23}): E_3, 010010\_01\_000014 \text{ 满足 } \langle anl6 \rangle}{\{instId = 010010\_01\_000014\}: B_1} \text{ (TR3) .}$$

(3)  $t_1 = \{facilitiesName=35 \text{ 号守灵室}\}$ :

$$l = facilitiesName, \frac{t_{31} = 35 \text{ 号守灵室}: A_1, t_{31} \text{ 满足 } \langle \dots 64 \rangle}{t_{31}: A_1 \text{ with } \langle \dots 64 \rangle} \text{ (TR2), } B_{273} = \{facilitiesName: A_1 \text{ with } \langle \dots 64 \rangle\}$$

$$\frac{\{facilitiesName = 35 \text{ 号守灵室}\}: B_{273}}{\text{ (TR3) .}}$$

(4)  $t_4 = \{resourceType=06\}$ :

$$l = resourceType, \frac{t_{41} = 06: A_1 \text{ (TR1), } t_{41} \text{ 满足 } \langle n2 \rangle}{t_{91}: A_1 \text{ with } \langle n2 \rangle} \text{ (TR2), } B_{274} = \{resourceType: A_1 \text{ with } \langle n2 \rangle\}$$

$$\frac{\{resourceType = 06\}: B_{274}}{\text{ (TR3) .}}$$

(5)  $t_5 = \{bulidArea=25.0\}$ :

$$l = buildArea, t_{51} = 25.0: A_3 \text{ (TR2), } B_{275} = \{buildArea: A_3\}$$

$$\frac{\{buildArea = 25.0\}: B_{275}}{\text{ (TR3) .}}$$

(6)  $t_6 = \{capacity=2\}$ :

$$l = capacity, t_{61} = 2: A_2 \text{ (TR2), } B_{276} = \{capacity: A_2\}$$

$$\frac{\{capacity = 2\}: B_{276}}{\text{ (TR3) .}}$$

(7)  $t_7 = \{useDate=2017-0405\}$ :

$$y_1 = 2, y_2 = 0, y_3 = 1, y_4 = 7, m_1 = 0, m_2 = 4, d_1 = 0, d_2 = 5: A_8 \text{ (TR1), } t_{71} \text{ 满足 } \langle 10 \rangle$$

$$l = useDate, \frac{t_{71} = y_1 y_2 y_3 y_4 - m_1 m_2 - d_1 d_2 = 2017 - 04 - 05: A_4}{t_{71}: A_4 \text{ with } \langle 10 \rangle} \text{ (TR2), } B_{277} = \{useDate: A_4 \text{ with } \langle 10 \rangle\}$$

$$\frac{\{useDate = 2017 - 04 - 05\}: B_{277}}{\text{ (TR3) .}}$$

(8)  $t_8 = \{stopDate=2017-0405\}$ :

$$y_1 = 2, y_2 = 0, y_3 = 2, y_4 = 7, m_1 = 0, m_2 = 4, d_1 = 0, d_2 = 5: A_8 \text{ (TR1), } t_{81} \text{ 满足 } \langle 10 \rangle$$

$$l = stopDate, \frac{t_{81} = y_1 y_2 y_3 y_4 - m_1 m_2 - d_1 d_2 = 2027 - 04 - 05: A_4}{t_{81}: A_4 \text{ with } \langle 10 \rangle} \text{ (TR2), } B_{278} = \{stopDate: A_4 \text{ with } \langle 10 \rangle\}$$

$$\frac{\{stopDate = 2027 - 04 - 05\}: B_{278}}{\text{ (TR3) .}}$$

(9)  $t_9 = \{status=02\}$ :

$$l = status, \frac{t_{91} = 02: A_1 \text{ (TR1), } t_{91} \text{ 满足 } \langle \dots 2 \rangle}{t_{91}: A_1 \text{ with } \langle \dots 2 \rangle} \text{ (TR2), } B_{279} = \{status: A_1 \text{ with } \langle \dots 2 \rangle\}$$

$$\frac{\{status = 02\}: B_{279}}{\text{ (TR3) .}}$$

(10)  $t_{10} = \{facilitiesDesc=\text{守灵室用于为逝者守灵}\}$ :

$$l = facilitiesDesc, \frac{t_{101} = \text{守灵室用于为逝者守灵}: A_1, t_{101} \text{ 满足 } \langle \dots 1024 \rangle}{t_{101}: A_1 \text{ with } \langle \dots 1024 \rangle} \text{ (TR2), } B_{280} = \{facilitiesDesc: A_1 \text{ with } \langle \dots 1024 \rangle\}$$

$$\frac{\{facilitiesDesc = \text{守灵室用于为逝者守灵}\}: B_{280}}{\text{ (TR3) .}}$$

最后,根据  $t=(t_1,t_2,t_3,t_4,t_5,t_6,t_7,t_8,t_9,t_{10})$ ,有如下判定:

$$\begin{aligned}
 & t_1 : B_{272}, t_2 : B_1, t_3 : B_{273}, t_4 : B_{274}, t_5 : B_{275}, t_6 : B_{276}, t_7 : B_{277}, t_8 : B_{278}, t_9 : B_{279}, t_{10} : B_{280}, \\
 & t = (t_1, t_2, t_3, t_4, t_5, t_6, t_7, t_8, t_9, t_{10}), \\
 & T_{14} = \frac{B_{272} \times B_1 \times B_{273} \times B_{274} \times B_{275} \times B_{276} \times B_{277} \times B_{278} \times B_{279} \times B_{280}}{t : T_{14}} \quad \text{(TR4)}.
 \end{aligned}$$

即,输入项  $t$  所属的类型为  $T_{14}$ .



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