

• אָדָם מְלֵךְ עַמּוֹת

1) JT home (~~studi~~) recording-started > x 1 & recording-ended < y (album)

2) \exists $\text{IT name}(\cancel{\text{performed}} \wedge \text{performed_by} = \text{name} \wedge \text{date of recording} > x)$

A state of recording ∞ (musical_segment)

3) JT album.hawol (join-album=album_id & performed_by=hawol)

1 date of recording > x 1 date of recording < y

(musical ~~segment~~ segment) (a(bulm))

4)

Π instruments-type (group by numofalbums, order by numofalbums)

desc | limit 1 (instruments)

5)

Π instrument-type (d album.name = name (album \bowtie musiciansXalbums

\bowtie musicians \bowtie musiciansXinstruments \bowtie instruments))

6)

Π producer, (recording-started \rightarrow X recording-started C)

group by producer order by count(producer) desc

limit 1 (album)

7)

$\text{JT manufacturer} \left(\begin{array}{l} \\ \end{array} \right) \quad \text{V manufacturer} = \text{Yamaha} \quad \text{V manufacturer} = \text{metzila}$

$\text{V manufacturer} = \text{hohner-Krys} \quad \text{V manufacturer} = \text{gibson}$

$\text{V manufacturer} = \text{fehrer} \quad \text{V manufacturer} = \text{schaefer}$

$\text{V manufacturer} = \text{washburn} \quad \text{group by manufacturer}$

order by sum(~~humofSeg~~) limit 1

$\#(\text{instruments})$

8)

$\text{JT name} ((\text{musicians}))$

9) $\text{JT}_{\text{name}}(\text{group by collab, other by collab desc limit 1}$
 $(\text{musician}))$

10) $\text{JT}_{\text{genre}}(\text{group by genre, order by count(genre) desc}$
 $\text{limit 1 } (\text{musical-segment}))$

11) $\text{JT}_{\text{recorder}}(\{ \text{recording_started} \rightarrow X \text{ } \text{recording_ended} \leftarrow Y$
 $\text{group by recorder, order by total desc}$
 $\text{limit 1 } (\text{album}))$

total 7111

12) $\Pi_{\text{name}} \left(\min(\text{records_in_phr}) \text{ (album)} \right)$

13) $\Pi_{\text{name}} \left(\text{group by } \min(\text{musical_segment}) \text{ from } \{ \text{count(name)} \geq 2 \} \right)$

order by count(name) desc

limit 10 (musical_segment)

14) $\Pi_{\text{recorder}} \text{ (album)}$

total 7111

15) $\text{JT performed_by}(\text{Subn} \downarrow)$

genre = rock \vee genre = classic rock

\checkmark genre = pop \vee genre = metal), group by performed-by

order by total desc limit 1 (musical-segment)