

Aufgabe 1)

<p>Legende:</p> <p>Takte benötigt $\leftarrow C$ $\leftarrow B$ $\leftarrow A$ Quantum Verbleiben</p>	<p>Takt 0</p> <p>0 $\overset{4}{A}^1$</p> <p>1 $\overset{7}{B}^4$</p> <p>2</p> <p>3</p> <p><u>CPU</u></p>	<p>Takt 1</p> <p>0 $\overset{1}{C}^1$</p> <p>1 $\overset{7}{B}^4$</p> <p>2</p> <p>3</p> <p><u>CPU</u> $\overset{4}{A}^1$</p>
<p>Takt 2</p> <p>0</p> <p>1 $\overset{7}{B}^4$ $\overset{3}{A}^4$ $\overset{4}{D}^4$</p> <p>2</p> <p>3</p> <p><u>CPU</u> $\overset{4}{C}^1$</p>	<p>Takt 3</p> <p>0</p> <p>1 $\overset{3}{A}^4$ $\overset{4}{D}^4$</p> <p>2</p> <p>3</p> <p><u>CPU</u> $\overset{7}{B}^4$</p>	<p>Takt 4</p> <p>0</p> <p>1 $\overset{3}{A}^4$ $\overset{4}{D}^4$</p> <p>2</p> <p>3</p> <p><u>CPU</u> $\overset{6}{B}^3$</p>
<p>Takt 5</p> <p>0</p> <p>1 $\overset{3}{A}^4$ $\overset{4}{D}^4$</p> <p>2</p> <p>3 $\overset{20}{E}^{\infty}$</p> <p><u>CPU</u> $\overset{5}{B}^2$</p>	<p>Takt 6</p> <p>0</p> <p>1 $\overset{3}{A}^4$ $\overset{4}{D}^4$</p> <p>2</p> <p>3 $\overset{20}{E}^{\infty}$</p> <p><u>CPU</u> $\overset{4}{B}^1$</p>	<p>Takt 7</p> <p>0</p> <p>1 $\overset{4}{D}^4$</p> <p>2 $\overset{3}{B}^16$</p> <p>3 $\overset{20}{E}^{\infty}$</p> <p><u>CPU</u> $\overset{3}{A}^4$</p>

Takt 8

0

1 $4D^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $2A^3$

Takt 9

0

1 $4D^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $1A^2$

Takt 10

0

1 $3F^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $4D^4$

Legende:

Takte
erfolgreich $\begin{matrix} \text{---} C \\ \text{---} A \end{matrix}$ Quantum
verbleiben

Takt 11

0

1 $3F^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $3D^3$

Takt 12

0

1 $3F^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $2D^2$

Takt 13

0 $2G^4$

1 $3F^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $1D^1$

Takt 14

0

1 $3F^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $2G^1$

Takt 15

0

1 $7G^4 3H^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $3F^4$

Takt 16

0

1 $1G^4 3H^4 3I^4$ $2F^3$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $2F^3$

Takt 17

0

1 $1G^4 3H^4 3I^4$ $1F^2$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $1F^2$

Takt 18

0

1 $3H^4 3J^4$

2 $3B^{16}$

3 $20E^\infty$

CPU
 $1G^4$

Takt 19

0

1 $3I^4$

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{3H^4}$

Takt 20

0

1 $3I^4$

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{2H^3}$

Takt 21

0

1 $3I^4$

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{1H^2}$

Legende:

Takte benötigt $\begin{matrix} C \\ A \end{matrix}$ Quantum verbleiben $\begin{matrix} B \\ \end{matrix}$

Takt 22

0

1

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{3I^4}$

Takt 23

0

1

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{2I^3}$

Takt 24

0

1

2 $3B^{16}$

3 $20E^\infty$

$\frac{CPU}{1I^2}$

Takt 25

0

1

2

3 $20E^\infty$

$\frac{CPU}{3B^{16}}$

Takt 26

0

1

2

3 $20E^\infty$

$\frac{CPU}{2B^{15}}$

Takt 27

0

1

2

3 $20E^\infty$

$\frac{CPU}{1B^{15}}$

Takt 28

0

1

2

3

$\frac{CPU}{20E^\infty}$

Takt 29

0

1

2

3

$\frac{CPU}{19E^\infty}$

Takt 30 ...
0 CPU
1 $\frac{1}{E} \infty$
2
3

Takt 47
0 CPU
1 $\frac{1}{E} \infty$
2
3

Takt 49
0 CPU
1
2
3