

Who's Afraid of the Big Bad Wolf?

1 = G

Frank Churchill

5	3	1	5 5	4	4	3	2	2	1
1			5 ⁷			1			

5	3	1	5 5	4	5	3	2	5	1
			5 ⁷						5 ^{#5}

1	2	7
1	2 ⁷	

6	5	5	5	3	1	1	1
1/3	5 ⁷ / ₂	1	4	1/3	5 ⁷ / ₂	1	4

1	1	1	1	6	6	1	6	5	3	4	5	5	5	2	1	5	3
1	4	1/3	5 ⁷ / ₂	1	4	5 ⁷ / ₂	1	5 ⁷									

6	5	5	5	3	1	1	1
1/3	5 ⁷ / ₂	1	4	1/3	5 ⁷ / ₂	1	4

The diagram illustrates the solution to the 100 prisoners problem. It shows four groups of 25 prisoners each, represented by vertical lines. The prisoners are numbered 1 through 100. The solution involves a cycle of numbers, where each prisoner finds a number and follows a path of boxes to find the next number in the cycle. The cycle length is at most 50, ensuring all prisoners find their numbers within 50 days.

Diagram illustrating the evolution of a 1D lattice with 7 sites. The lattice is divided into four segments by vertical lines. The top row shows the state at time $t=0$, and the bottom row shows the state at time $t=1$. The states are labeled with numbers 1 through 7.

- Segment 1 (Left): $t=0$ state is 6, $t=1$ state is 4.
- Segment 2: $t=0$ state is 7, $t=1$ state is 7^7 .
- Segment 3: $t=0$ state is 5, $t=1$ state is 3^- .
- Segment 4 (Right): $t=0$ state is 6, $t=1$ state is 6^7 .

The figure shows four diagrams, each representing the decomposition of a tensor product of two irreducible representations of $SU(3)$. The diagrams are separated by vertical lines. The boxes represent irreps, and the labels below them are the tensor products.

- Diagram 1:** Shows a sequence of boxes: 6, 6, 6, 7, 7, 6. The label below is $4 \otimes 7^7$.
- Diagram 2:** Shows a sequence of boxes: 5, 5, 5, 6, 6, 5, #4. The label below is $3^- \otimes 6^7$.
- Diagram 3:** Shows a sequence of boxes: 7, 6, 2, #4. The label below is $2^7 \otimes \#4$.
- Diagram 4:** Shows a sequence of boxes: 5, 5, 5. The label below is $5 \otimes 5^7$.

[illegible]

The diagram illustrates the decomposition of the tensor product of two irreducible representations of $SU(3)$. The four vertical lines represent the decomposition of the product of two fundamental representations (1 and 1-bar) into irreducible components. The components are labeled with their Dynkin indices: 1 , 4 , $1/3\text{-bar}$, $5\text{-bar}/2$, 1 , and 1^7-bar .

$\%$ 4	 1^7	 4
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 1^7	 1	 4
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2. *D.S. al Coda* \oplus

 4	 4
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