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Since there are many equations presented above, discussing each one separately would be challenging. Therefore, we focus on a relatively complicated case, specifically case *A103*, to provide an illustrative example. This state occurs when there are more than or equal to three but less than or equal to N-1 LP packets and 0 HP packet in the system, and there are at least 2 seats left in the packet queue, while the energy queue is empty. The LP packet being served in the server is using the regular battery. The corresponding detailed state transition diagram can be found in Fig. 3 - 4.

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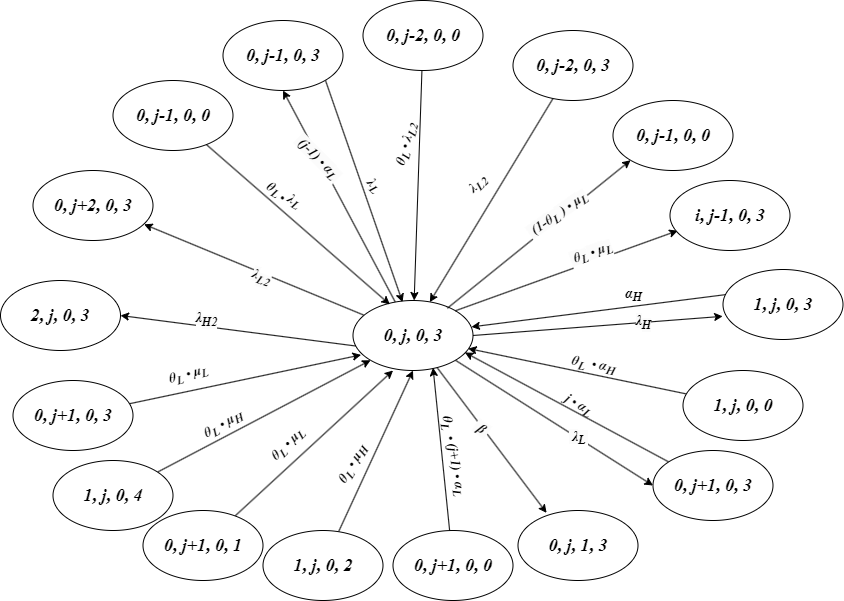


Fig. 3 - 4: The state transition diagram for ,,,and *.*