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(54) **DRIVING CIRCUIT, ELECTRO-OPTICAL DEVICE, METHOD OF DRIVING THE SAME, AND ELECTRONIC APPARATUS**

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(57) **ABSTRACT**

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When respective bits of grayscale data Dx1 are '0' which represents black, upon detection, a NOR circuit of a voltage supply circuit sets an output signal active. Then, a transistor is turned on, and a black voltage VBr is supplied to a data line. By this embodiment, since all transistors of a current supply circuit are turned off, a current is not outputted. Meanwhile, in the case in which a grayscale level to be displayed is other than black, a current Idata is outputted from the current supply circuit.

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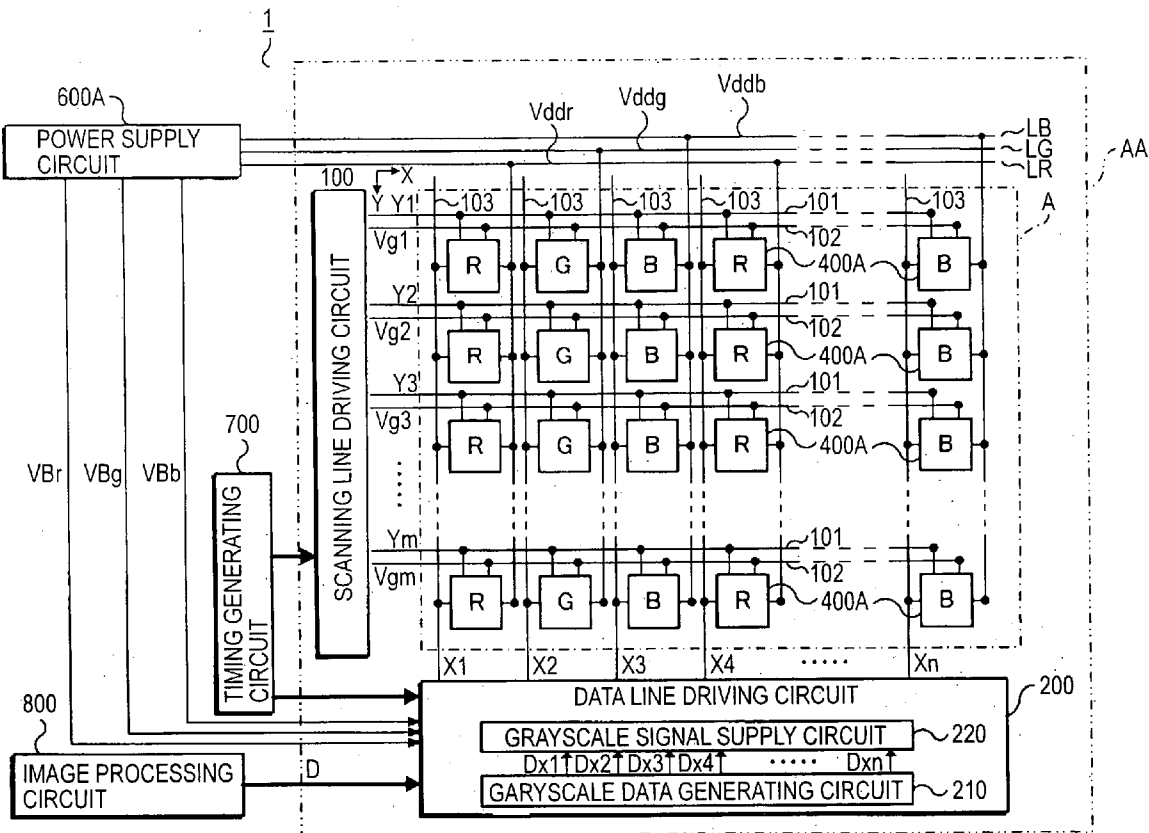


FIG. 1

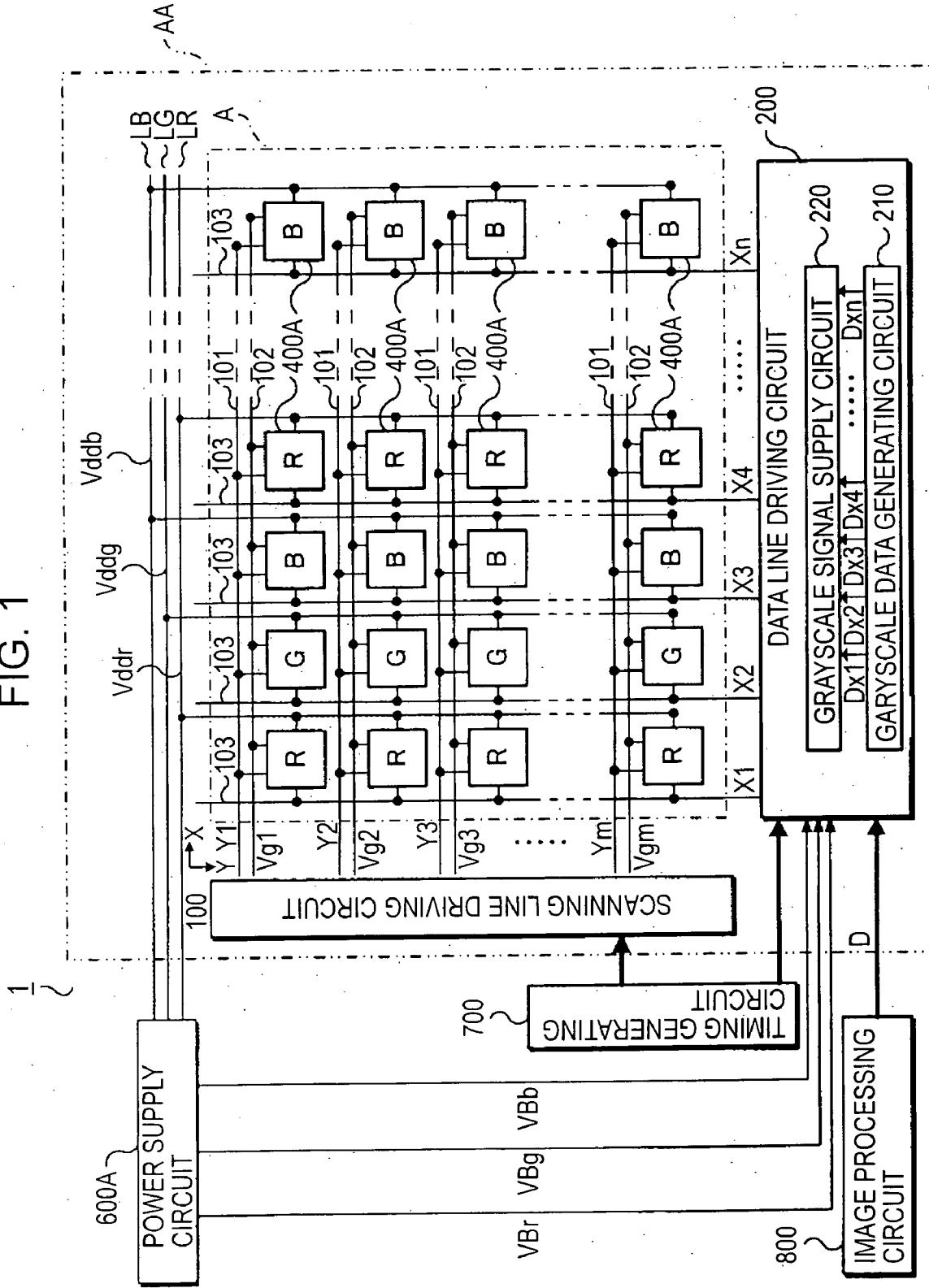


FIG. 2

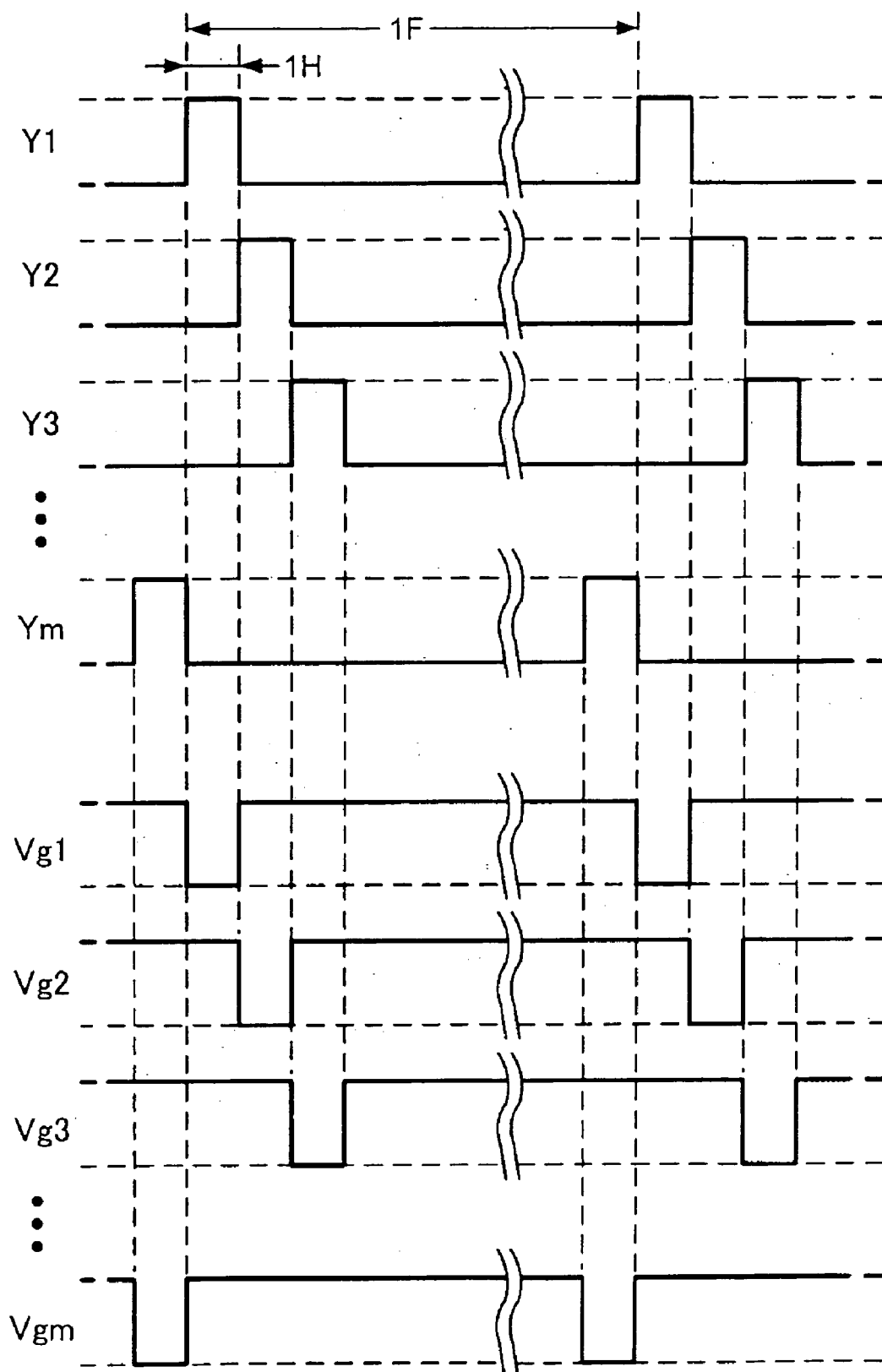


FIG. 3

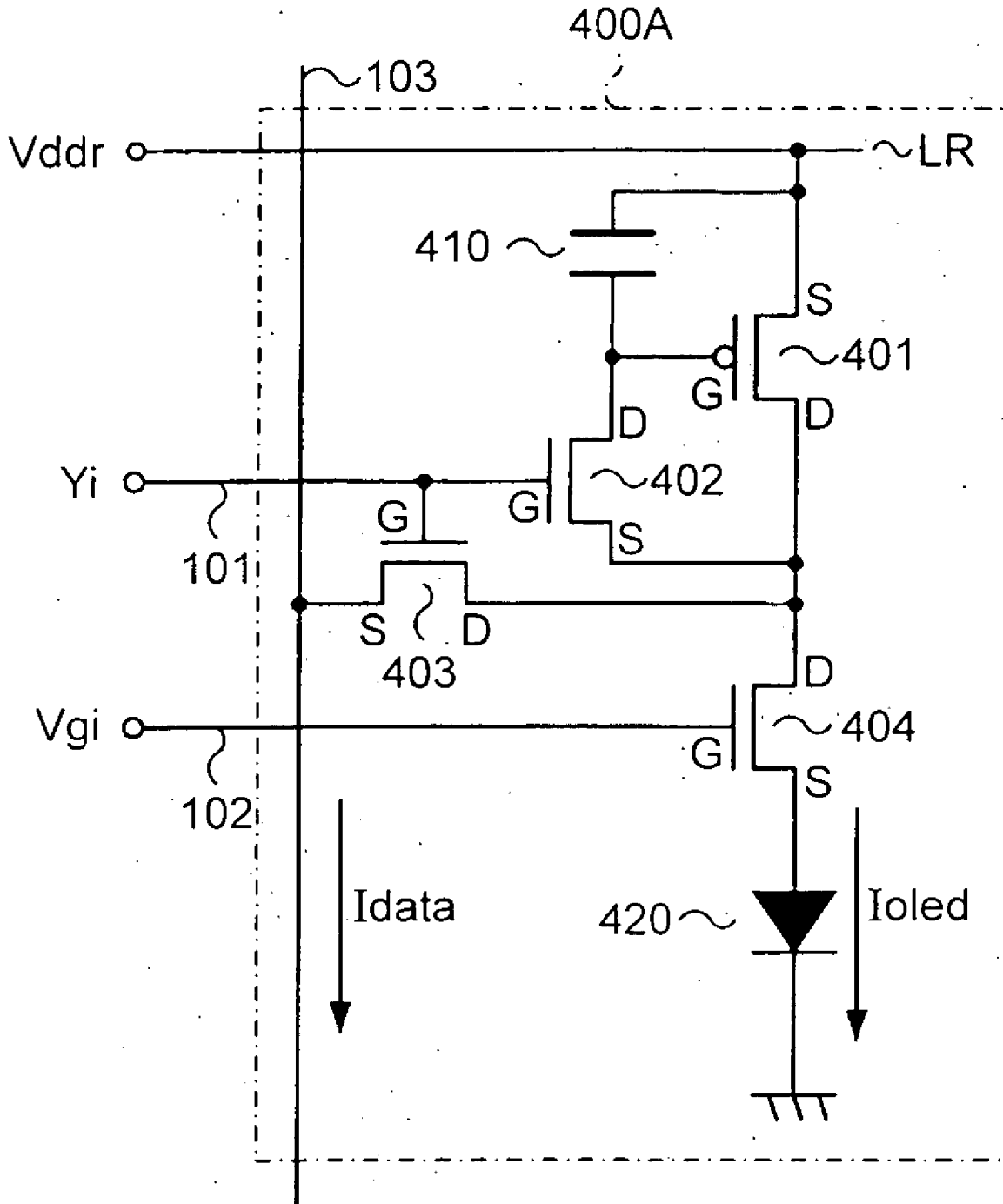
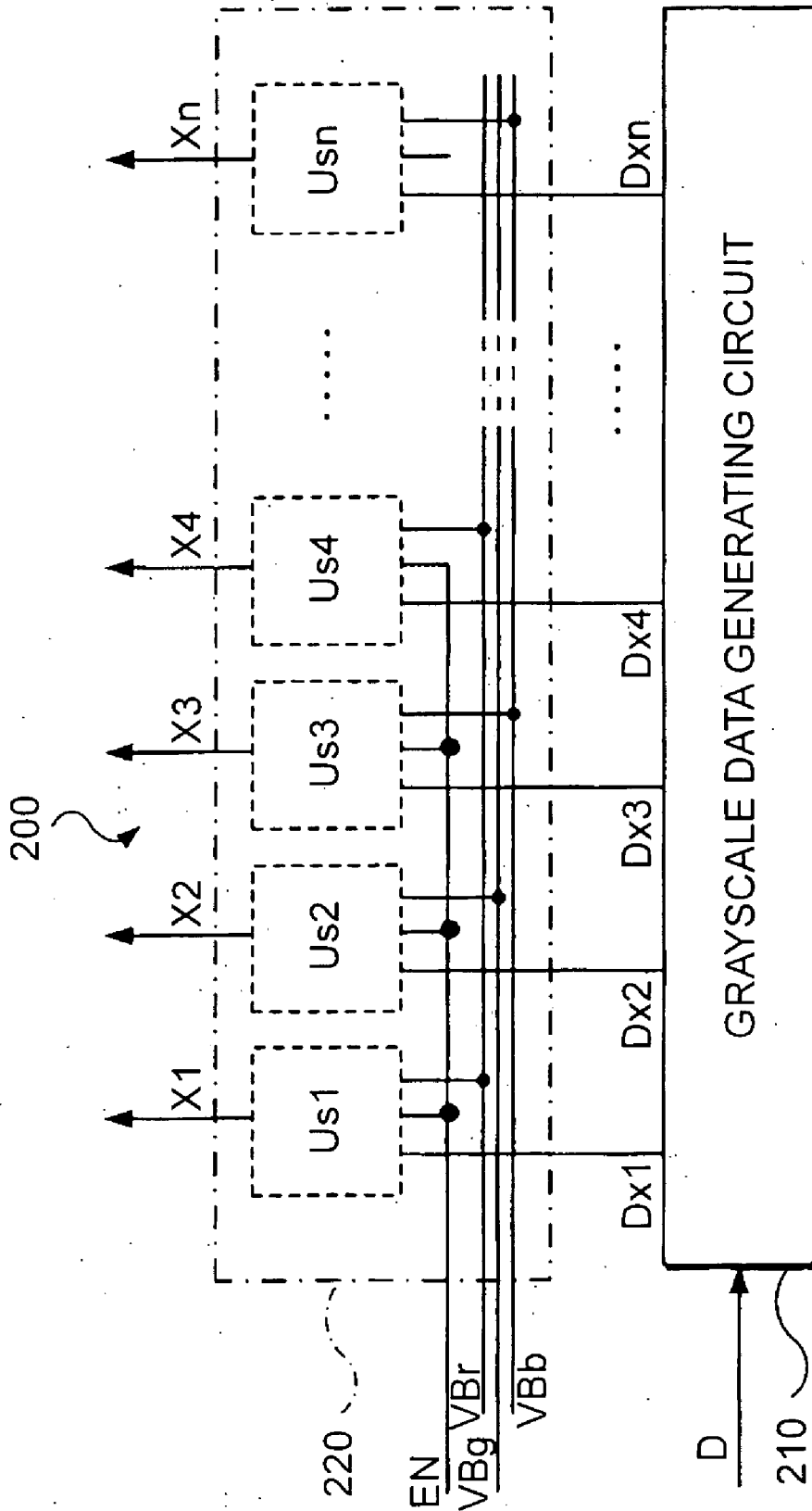


FIG. 4



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