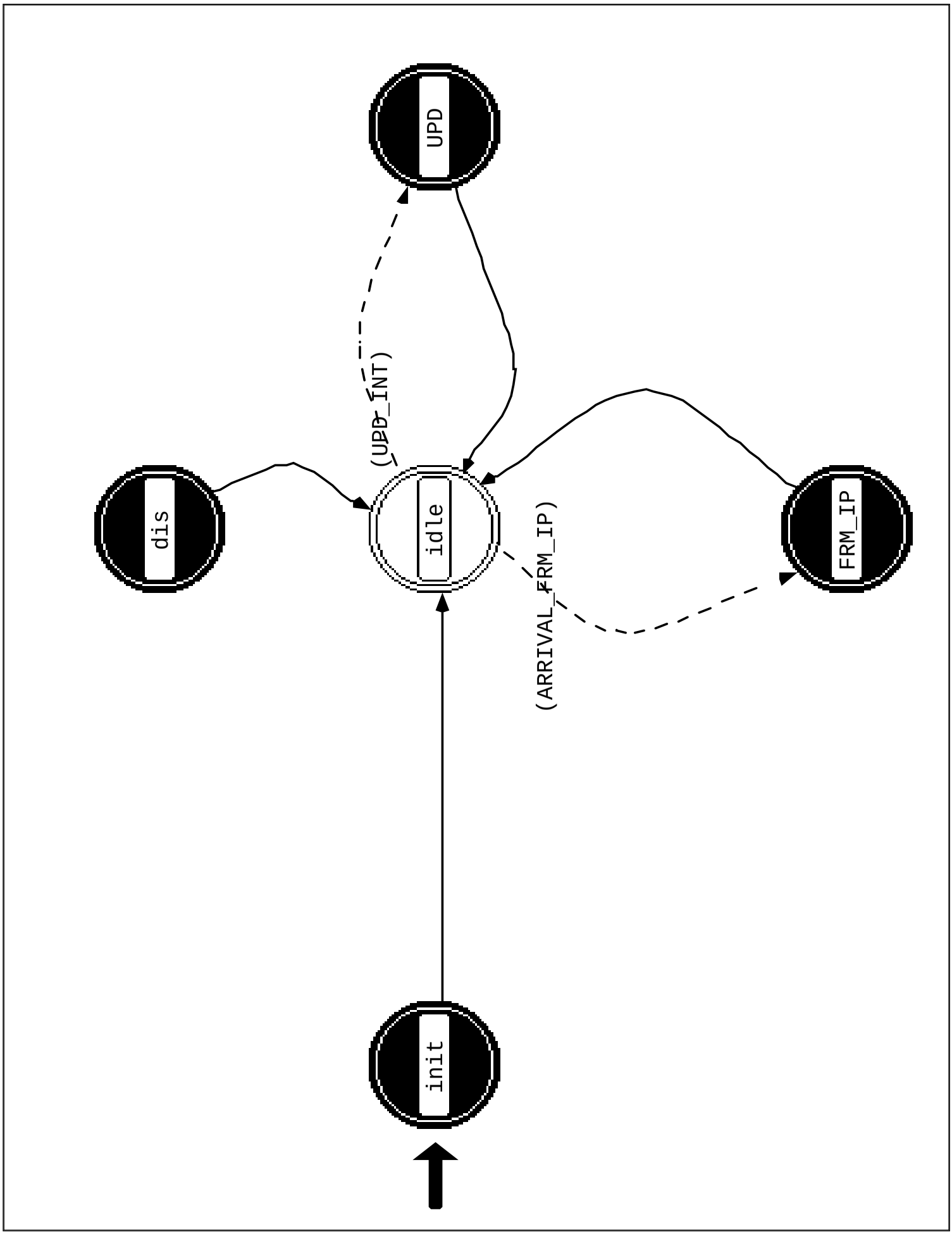State diagram for IGMP on Router