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1, # 1, # 63 > to avold moke & intersperionce with charmels links in the bond Forg. of guard bonds + 1, + 1, + 1, (10 kHz) FDM is an analog technique where the bandwidth of a link is govoated than the combined bondwelth of the signals to be tolansmitted in FDM, the signals generated by each sending device modulate different coorden frequencies which is then combined into a single composite signal. The moveless Israquencies are separated by bandwirdth to arramodate The modulated signals. The drannels are separated by storips of unused bandwildths called as guard bands which perevent signals ferom Everlapping. The guard bands must not interspere with ourginal data Jacquencies. The demultiplexing porpress uses senies of gelteous to de compose multiplexing signals into its components. 1 5 channels each with a bandwidth of 100 kHz use to be multiplexed together. What is the min bandwildth of there is a guideral band of 10 kHz both channels to provent interferonce? ans. Min. bandwildth, Bmin = 100×103×5+ (4) × 10×103 = 540kHz (5-1) quand bands