X-Authentication-Warning sidon stanford edu tobagi owned process doing -bs Eate Mon. 25 Feb 2002 19 28:40 -0800 (PST) From "Fouad A Tobagi" <tobagi@Stanford.EDU> To Diane Shankle@ee Stanford EDU> Dubject Re Quals Question 2002

Consider a video clip of 30 frames per second and of a given duration, say T seconds. It is compressed using variable bit rate encoding; that is, the number of bits per frame varies from frame to frame. We let bi denote the number of bits in frame i.

The compressed vide file is stored on a video server from which it is streamed at constant bit rate c to a client. The client has a buffer of size B. Determine the possible values of c and B that allows a smooth playback of the video at the client.

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363

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