Construction of general linear methods of order p and stage order q = p-1or q = p for ordinary differential equations

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This is a sequel to the talk by Z. Jackiewicz: "Efficient general linear methods for ordinary differential equations". In this talk we present examples of highly stable general linear methods with s internal stages and r = s+1internal stages of order p = s+1 and stage order q = s or q = s+1 for p = 2, 3, and 4. We will also discuss local error estimation for these methods.