



A hand-drawn graph showing the relationship between the number of components ( $n$ ) and the number of states ( $m$ ). The vertical axis is labeled "number of states" and the horizontal axis is labeled "number of components". A series of points are plotted, forming a curve that starts at  $(1,1)$ , goes up to  $(2,3)$ , then down to  $(3,2)$ , then up to  $(4,4)$ , then down to  $(5,3)$ , then up to  $(6,5)$ , then down to  $(7,4)$ , then up to  $(8,6)$ , then down to  $(9,5)$ , then up to  $(10,7)$ , then down to  $(11,6)$ , then up to  $(12,8)$ , then down to  $(13,7)$ , then up to  $(14,9)$ , then down to  $(15,8)$ , then up to  $(16,10)$ , then down to  $(17,9)$ , then up to  $(18,11)$ , then down to  $(19,10)$ , then up to  $(20,12)$ , then down to  $(21,11)$ , then up to  $(22,13)$ , then down to  $(23,12)$ , then up to  $(24,14)$ , then down to  $(25,13)$ , then up to  $(26,15)$ , then down to  $(27,14)$ , then up to  $(28,16)$ , then down to  $(29,15)$ , then up to  $(30,17)$ , then down to  $(31,16)$ , then up to  $(32,18)$ , then down to  $(33,17)$ , then up to  $(34,19)$ , then down to  $(35,18)$ , then up to  $(36,20)$ , then down to  $(37,19)$ , then up to  $(38,21)$ , then down to  $(39,20)$ , then up to  $(40,22)$ , then down to  $(41,21)$ , then up to  $(42,23)$ , then down to  $(43,22)$ , then up to  $(44,24)$ , then down to  $(45,23)$ , then up to  $(46,25)$ , then down to  $(47,24)$ , then up to  $(48,26)$ , then down to  $(49,25)$ , then up to  $(50,27)$ , then down to  $(51,26)$ , then up to  $(52,28)$ , then down to  $(53,27)$ , then up to  $(54,29)$ , then down to  $(55,28)$ , then up to  $(56,30)$ , then down to  $(57,29)$ , then up to  $(58,31)$ , then down to  $(59,30)$ , then up to  $(60,32)$ , then down to  $(61,31)$ , then up to  $(62,33)$ , then down to  $(63,32)$ , then up to  $(64,34)$ , then down to  $(65,33)$ , then up to  $(66,35)$ , then down to  $(67,34)$ , then up to  $(68,36)$ , then down to  $(69,35)$ , then up to  $(70,37)$ , then down to  $(71,36)$ , then up to  $(72,38)$ , then down to  $(73,37)$ , then up to  $(74,39)$ , then down to  $(75,38)$ , then up to  $(76,40)$ , then down to  $(77,39)$ , then up to  $(78,41)$ , then down to  $(79,40)$ , then up to  $(80,42)$ , then down to  $(81,41)$ , then up to  $(82,43)$ , then down to  $(83,42)$ , then up to  $(84,44)$ , then down to  $(85,43)$ , then up to  $(86,45)$ , then down to  $(87,44)$ , then up to  $(88,46)$ , then down to  $(89,45)$ , then up to  $(90,47)$ , then down to  $(91,46)$ , then up to  $(92,48)$ , then down to  $(93,47)$ , then up to  $(94,49)$ , then down to  $(95,48)$ , then up to  $(96,50)$ , then down to  $(97,49)$ , then up to  $(98,51)$ , then down to  $(99,50)$ , then up to  $(100,52)$ .