

Ambient Hamiltonian:  $[[0\ 0]\ [0\ 0]]$   
Control Hamiltonians:  $\text{array}([[[0,\ 1],\ [1,\ 0]]])$   
Detunings:  $[0.001,\ 0.01]$   
dt: 0.0125663706144  
Probs:  $[1.]$   
Target Operator:  $[[0\ 1]\ [1\ 0]]$   
Time: 3.97828507423  
Controlset:  $\text{array}([[-0.20643024], [-0.33592147], [-0.17518292], [-0.22837827], [-0.18322551], [-0.30718161], [-0.357975\ ], [-0.25305853], [-0.30106154], [-0.18643208], [-0.3087277\ ], [-0.19690461], [-0.25452612], [-0.31604491], [-0.1967908\ ], [-0.34939313], [-0.18188852], [-0.17494051], [-0.17715122], [-0.24775239], [-0.36146519], [-0.17193271], [-0.26984434], [-0.20072259], [-0.26335145], [-0.35964234], [-0.18504054], [-0.20603478], [-0.19443996], [-0.21726169], [-0.18191388], [-0.17993343], [-0.36699358], [-0.347916\ ], [-0.29768197], [-0.3305053\ ], [-0.20166099], [-0.25276438], [-0.18211854], [-0.31641334], [-0.24279156], [-0.36469286], [-0.20235664], [-0.23199998], [-0.33200914], [-0.18126588], [-0.17848566], [-0.34834227], [-0.35656559], [-0.2410275\ ], [-0.21205441], [-0.27844448], [-0.2033799\ ], [-0.30815907], [-0.22105663], [-0.21595682], [-0.24027416], [-0.32924773], [-0.30682522], [-0.33048544], [-0.27491325], [-0.30083956], [-0.22018602], [-0.21595876], [-0.24112845], [-0.27503728], [-0.21665249], [-0.1839678\ ], [-0.1858526\ ], [-0.33805129], [-0.27666168], [-0.24948363], [-0.2028234\ ], [-0.2011992\ ], [-0.23881381], [-0.24633027], [-0.19053696], [-0.21896154], [-0.17793905], [-0.35167281], [-0.26168687], [-0.17312124], [-0.20153466], [-0.18130337], [-0.29506051], [-0.19870952], [-0.30978452], [-0.21908321], [-0.29994109], [-0.24163176], [-0.1910222\ ], [-0.27897656], [-0.20990227], [-0.24071529], [-0.17898969], [-0.20588024], [-0.20642572], [-0.26434915], [-0.22068843], [-0.35667284], [-0.3420551\ ], [-0.17813386], [-0.34836498], [-0.17732906], [-0.19961825], [-0.20981611], [-0.1955741\ ], [-0.32803119], [-0.19146523], [-0.19872274], [-0.21865117], [-0.22826443], [-0.23003332], [-0.23886174], [-0.18912331], [-0.28895597], [-0.35165663], [-0.17415573], [-0.23535525], [-0.19526608], [-0.20346046], [-0.21861393], [-0.33064501], [-0.29516244], [-0.23949373], [-0.21675018], [-0.1893551\ ], [-0.27622026], [-0.25310201], [-0.18138712], [-0.18814213], [-0.33838614], [-0.32268039], [-0.20668621], [-0.21562005], [-0.17172281], [-0.19619338], [-0.19056128], [-0.30247978], [-0.22115495], [-0.20897038], [-0.36944888], [-0.22176215], [-0.2379454\ ], [-0.26700585], [-0.28915256], [-0.18015233], [-0.36087197], [-0.27436568], [-0.28536671], [-0.17447972], [-0.36517253], [-0.23558567], [-0.27414148], [-0.20181767], [-0.2022159\ ], [-0.20330062], [-0.18118359], [-0.17566616], [-0.34576381], [-0.33536404], [-0.35911769], [-0.17790917], [-0.17194565], [-0.25905052], [-0.35120682], [-0.33211737], [-0.18245448], [-0.23653584], [-0.310964\ ], [-0.20941237], [-0.19330224], [-0.23349066], [-0.35807698], [-0.25984464], [-0.18380395], [-0.33941788], [-0.3366607\ ], [-0.19291051], [-0.32998936], [-0.33190963], [-0.29889455], [-0.28383754], [-0.27171484], [-0.19164013], [-0.29776492], [-0.33877202], [-0.33530733], [-0.26408847], [-0.30082391], [-0.18785749], [-0.21106783], [-0.28437088], [-0.17036133], [-0.24664436], [-0.18091481], 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[-0.29683668], [-0.17136481], [-0.24964181], [-0.34448522], [-0.17202329], [-0.18071793], [-0.21955831], [-0.35963148], [-0.18685295], [-0.17996341], [-0.20894518], [-0.287006\ ], [-0.17699051], [-0.36476112], [-0.27539847], [-0.26647159], [-0.18565217], [-0.36880744], [-0.20702673], [-0.21710496], [-0.27049792], [-0.34474754], [-0.32656003], [-0.20597083], [-0.35645248], [-0.35167161], [-0.23543606], [-0.22089615], [-0.36546394], [-0.21960262], [-0.33467168], [-0.33612464], [-0.2030205\ ], [-0.27725948], [-0.19252908], [-0.17486159], [-0.2064751\ ], [-0.17053291], [-0.25977764], [-0.24926014], [-0.24276378], [-0.22270744], [-0.19587777], [-0.293011\ ], [-0.25666241], [-0.1970095\ ], [-0.21725148], [-0.20552954], [-0.23873672], [-0.19692246], [-0.17128311], [-0.33407702], [-0.19292943], [-0.23585558], [-0.28940087], [-0.1719184\ ], [-0.32715926], [-0.25564541], [-0.20471555], [-0.30592787], [-0.28494795], [-0.24255234], [-0.18186111], [-0.2738887\ ], [-0.18564922], [-0.3040004\ ], 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[-0.17970637], [-0.22141347], [-0.21532556], [-0.18245514], [-0.32618049], [-0.26837335], [-0.32629142], [-0.24852673], [-0.35925356], [-0.33869977], [-0.3670702\ ], [-0.197161\ ], [-0.21594\ ], [-0.32129203], [-0.36395347], [-0.17288632], [-0.22097152], [-0.33129232], [-0.17922119], [-0.17465795], [-0.18754686], [-0.20543438], [-0.24277022], [-0.20625785], [-0.29604128], [-0.2157807\ ], [-0.20272158], [-0.18336839], [-0.25008625], [-0.18652562], [-0.31295122], [-0.20437964], [-0.18746697], [-0.22242069], [-0.20015001], [-0.17865467], [-0.26112109], [-0.23457411], [-0.36014157], [-0.22335047], [-0.29290408], [-0.1998242\ ], [-0.3463939\ ], [-0.19993416], [-0.17798274], [-0.28277422], [-0.19560552], [-0.18716315], [-0.18263773], [-0.27786134], [-0.30367879], [-0.17598868], [-0.19951276], [-0.33319598], [-0.30541595], [-0.22295316], [-0.21567888], [-0.21246899], [-0.25444398], [-0.25699276], [-0.26064757], [-0.22262084], [-0.31652458], [-0.17066523], [-0.18238795], [-0.18593857], [-0.21314065], [-0.19132957], [-0.33578177], [-0.18517086], [-0.28048666], [-0.18003748], [-0.29148936], [-0.36544461], [-0.18240458], [-0.19950327], [-0.30125643], [-0.30533667], [-0.17589318], [-0.17952906], [-0.22298347], [-0.35398061], [-0.1812997\ ], [-0.21727778], [-0.19108832], [-0.21377525], [-0.3429342\ ], [-0.18687447], [-0.17909353], [-0.35373924], [-0.28945949], [-0.27722824], [-0.21838993], [-0.30635501], [-0.34999305], [-0.21138256], [-0.1846868\ ], [-0.18413086], [-0.30634006], [-0.347813\ ], [-0.20638822], [-0.29281665], [-0.18762985], [-0.18143903], [-0.19419458], [-0.26394818]]])$



