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const char * CandleStickPatternNames[66][2] =
{
    {"None", ""},
    {"Hammer", "HMM"},
    {"Hanging Man", "HNM"},
    {"Bullish Engulfing", "UEN"},
    {"Bearish Engulfing", "DEN"},
    {"Dark-cloud Cover", "DCC"},
    {"Piercing Line", "PEL"},
    {"Morning Star", "MST"},
    {"Evening Star", "EST"},
    {"Morning Doji Star", "MDS"},
    {"Evening Doji Star", "EDS"},
    {"Bullish Abandoned Baby", "UAB"},
    {"Bearish Abandoned Baby", "DAB"},
    {"Shooting Star", "SHS"},
    {"Inverted Hammer", "IHM"},
    {"Bearish Harami", "DHA"},
    {"Bullish Harami", "UHA"},
    {"Bearish Harami Cross", "DHC"},
    {"Bullish Harami Cross", "UHC"},
    {"Tweezer Top", "TWT"},
    {"Tweezer Bottom", "TWB"},
    {"Bearish Belt-Hold Line", "DBH"},
    {"Bullish Belt-Hold Line", "UBH"},
    {"Upside-Gap Two Crows", "TCR"},
    {"Three Black Crows", "TBC"},
    {"Bearish Counterattack Line", "DCL"},
    {"Bullish Counterattack Line", "UCL"},
    {"Three Inside Up", "TIU"},
    {"Three Outside Up", "TOU"},
    {"Three Inside Down", "TID"},
    {"Three Outside Down", "TOD"},
    {"Kicker", "UKI"},
    {"Kicking", "DKI"},
    {"Three White Soldiers", "TWS"},
    {"Advance Block", "ABL"},
    {"Deliberation", "DEL"},
    {"Bearish Tri Star", "DTS"},
    {"Bullish Tri Star", "UTS"},
    {"Unique Three River Bottom", "TRB"},
    {"Bearish Doji Star", "DDS"},
    {"Bullish Doji Star", "UDS"},
    {"Bearish Dragonfly Doji", "DDD"},
    {"Bullish Dragonfly Doji", "UDD"},
    {"Bearish Gravestone Doji", "DGD"},
    {"Bullish Gravestone Doji", "UGD"},
    {"Bearish Long Legged Doji", "DLD"},
    {"Bullish Long Legged Doji", "ULD"},
    {"Bearish Side-By-Side White Lines", "DWL"},
    {"Bullish Side-By-Side White Lines", "UWL"},
    {"Falling Three Methods", "FTM"},
    {"Rising Three Methods", "RTM"},
    {"Bearish Separating Lines", "DSL"},
    {"Bullish Separating Lines", "USL"},
    {"Downside Tasuki Gap", "DTG"},
    {"Upside Tasuki Gap", "UTG"},
    {"Bearish Three-Line Strike", "DTL"},
    {"Bullish Three-Line Strike", "UTL"},
    {"Downside Gap Three Methods", "DGM"},
    {"Upside Gap Three Methods", "UGM"},
    {"On Neck", "ONE"},
    {"In Neck", "INE"},
    {"Bearish Thrusting", "DTH"},
    {"Mat Hold", "MAT"},
}

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 {"Doji","DOJ"},  
 {"Bullish Engulfing-Body Only","UENB"},  
 {"Bearish Engulfing-Body Only","DENB" }  
};
```