

GIRONI

Russia and Saudi Arabia

Winner: Russia

('Probability of Russia winning: ', '0.681')

('Probability of Tie: ', '0.259')

('Probability of Saudi Arabia winning: ', '0.060')

Uruguay and Egypt

Winner: Uruguay

('Probability of Uruguay winning: ', '0.630')

('Probability of Tie: ', '0.297')

('Probability of Egypt winning: ', '0.072')

Morocco and Iran

Winner: Morocco

('Probability of Morocco winning: ', '0.502')

('Probability of Tie: ', '0.385')

('Probability of Iran winning: ', '0.113')

Spain and Portugal

Winner: Spain

('Probability of Spain winning: ', '0.648')

('Probability of Tie: ', '0.200')

('Probability of Portugal winning: ', '0.151')

France and Australia

Winner: France

('Probability of France winning: ', '0.678')

('Probability of Tie: ', '0.171')

('Probability of Australia winning: ', '0.151')

Argentina and Iceland

Winner: Argentina

('Probability of Argentina winning: ', '0.842')

('Probability of Tie: ', '0.126')

('Probability of Iceland winning: ', '0.031')

Denmark and Peru

Winner: Denmark

('Probability of Denmark winning: ', '0.551')

('Probability of Tie: ', '0.235')

('Probability of Peru winning: ', '0.214')

Nigeria and Croatia

Winner: Croatia

('Probability of Nigeria winning: ', '0.298')

('Probability of Tie: ', '0.350')

('Probability of Croatia winning: ', '0.351')

Serbia and Costa Rica

Winner: Serbia

('Probability of Serbia winning: ', '0.594')

('Probability of Tie: ', '0.297')

('Probability of Costa Rica winning: ', '0.110')

Germany and Mexico

Winner: Germany

('Probability of Germany winning: ', '0.670')

('Probability of Tie: ', '0.224')

('Probability of Mexico winning: ', '0.106')

Brazil and Switzerland

Winner: Brazil

('Probability of Brazil winning: ', '0.766')

('Probability of Tie: ', '0.168')

('Probability of Switzerland winning: ', '0.066')

Sweden and Korea Republic

Winner: Sweden

('Probability of Sweden winning: ', '0.615')

('Probability of Tie: ', '0.277')

('Probability of Korea Republic winning: ', '0.108')

Belgium and Panama

Winner: Belgium

('Probability of Belgium winning: ', '0.781')

('Probability of Tie: ', '0.161')

('Probability of Panama winning: ', '0.058')

England and Tunisia

Winner: England

('Probability of England winning: ', '0.678')

('Probability of Tie: ', '0.273')

('Probability of Tunisia winning: ', '0.049')

Colombia and Japan

Winner: Colombia

('Probability of Colombia winning: ', '0.613')

('Probability of Tie: ', '0.204')

('Probability of Japan winning: ', '0.183')

Poland and Senegal

Winner: Poland

('Probability of Poland winning: ', '0.606')

('Probability of Tie: ', '0.264')

('Probability of Senegal winning: ', '0.130')

Russia and Egypt

Winner: Russia

('Probability of Russia winning: ', '0.627')

('Probability of Tie: ', '0.292')

('Probability of Egypt winning: ', '0.081')

Portugal and Morocco

Winner: Portugal

('Probability of Portugal winning: ', '0.530')

('Probability of Tie: ', '0.356')

('Probability of Morocco winning: ', '0.115')

Saudi Arabia and Uruguay

Winner: Uruguay

('Probability of Saudi Arabia winning: ', '0.253')

('Probability of Tie: ', '0.220')
('Probability of Uruguay winning: ', '0.527')

Spain and Iran

Winner: Spain

('Probability of Spain winning: ', '0.714')
('Probability of Tie: ', '0.239')
('Probability of Iran winning: ', '0.047')

Denmark and Australia

Winner: Denmark

('Probability of Denmark winning: ', '0.560')
('Probability of Tie: ', '0.189')
('Probability of Australia winning: ', '0.251')

France and Peru

Winner: France

('Probability of France winning: ', '0.666')
('Probability of Tie: ', '0.210')
('Probability of Peru winning: ', '0.124')

Argentina and Croatia

Winner: Argentina

('Probability of Argentina winning: ', '0.612')
('Probability of Tie: ', '0.242')
('Probability of Croatia winning: ', '0.146')

Brazil and Costa Rica

Winner: Brazil

('Probability of Brazil winning: ', '0.826')
('Probability of Tie: ', '0.143')
('Probability of Costa Rica winning: ', '0.030')

Nigeria and Iceland

Winner: Nigeria

('Probability of Nigeria winning: ', '0.708')
('Probability of Tie: ', '0.199')
('Probability of Iceland winning: ', '0.093')

Switzerland and Serbia

Winner: Switzerland

('Probability of Switzerland winning: ', '0.455')
('Probability of Tie: ', '0.240')
('Probability of Serbia winning: ', '0.306')

Belgium and Tunisia

Winner: Belgium

('Probability of Belgium winning: ', '0.651')
('Probability of Tie: ', '0.235')
('Probability of Tunisia winning: ', '0.114')

Mexico and Korea Republic

Winner: Mexico

('Probability of Mexico winning: ', '0.586')
('Probability of Tie: ', '0.291')
('Probability of Korea Republic winning: ', '0.123')

Germany and Sweden

Winner: Germany

('Probability of Germany winning: ', '0.619')

('Probability of Tie: ', '0.230')

('Probability of Sweden winning: ', '0.151')

England and Panama

Winner: England

('Probability of England winning: ', '0.781')

('Probability of Tie: ', '0.195')

('Probability of Panama winning: ', '0.024')

Japan and Senegal

Winner: Japan

('Probability of Japan winning: ', '0.532')

('Probability of Tie: ', '0.270')

('Probability of Senegal winning: ', '0.198')

Colombia and Poland

Winner: Colombia

('Probability of Colombia winning: ', '0.410')

('Probability of Tie: ', '0.285')

('Probability of Poland winning: ', '0.305')

Russia and Uruguay

Winner: Russia

('Probability of Russia winning: ', '0.533')

('Probability of Tie: ', '0.251')

('Probability of Uruguay winning: ', '0.216')

Saudi Arabia and Egypt

Winner: Saudi Arabia

('Probability of Saudi Arabia winning: ', '0.406')

('Probability of Tie: ', '0.295')

('Probability of Egypt winning: ', '0.299')

Portugal and Iran

Winner: Portugal

('Probability of Portugal winning: ', '0.587')

('Probability of Tie: ', '0.336')

('Probability of Iran winning: ', '0.077')

Spain and Morocco

Winner: Spain

('Probability of Spain winning: ', '0.675')

('Probability of Tie: ', '0.253')

('Probability of Morocco winning: ', '0.071')

France and Denmark

Winner: France

('Probability of France winning: ', '0.633')

('Probability of Tie: ', '0.163')

('Probability of Denmark winning: ', '0.204')

Australia and Peru

Winner: Australia

('Probability of Australia winning: ', '0.497')

('Probability of Tie: ', '0.264')
('Probability of Peru winning: ', '0.240')

Argentina and Nigeria

Winner: Argentina

('Probability of Argentina winning: ', '0.724')
('Probability of Tie: ', '0.224')
('Probability of Nigeria winning: ', '0.052')

Croatia and Iceland

Winner: Croatia

('Probability of Croatia winning: ', '0.763')
('Probability of Tie: ', '0.176')
('Probability of Iceland winning: ', '0.061')

Sweden and Mexico

Winner: Sweden

('Probability of Sweden winning: ', '0.582')
('Probability of Tie: ', '0.258')
('Probability of Mexico winning: ', '0.160')

Germany and Korea Republic

Winner: Germany

('Probability of Germany winning: ', '0.689')
('Probability of Tie: ', '0.241')
('Probability of Korea Republic winning: ', '0.071')

Brazil and Serbia

Winner: Brazil

('Probability of Brazil winning: ', '0.769')
('Probability of Tie: ', '0.172')
('Probability of Serbia winning: ', '0.058')

Switzerland and Costa Rica

Winner: Switzerland

('Probability of Switzerland winning: ', '0.614')
('Probability of Tie: ', '0.204')
('Probability of Costa Rica winning: ', '0.182')

Japan and Poland

Winner: Poland

('Probability of Japan winning: ', '0.318')
('Probability of Tie: ', '0.314')
('Probability of Poland winning: ', '0.368')

Colombia and Senegal

Winner: Colombia

('Probability of Colombia winning: ', '0.609')
('Probability of Tie: ', '0.238')
('Probability of Senegal winning: ', '0.153')

Tunisia and Panama

Winner: Tunisia

('Probability of Tunisia winning: ', '0.644')
('Probability of Tie: ', '0.285')
('Probability of Panama winning: ', '0.071')

England and Belgium

Winner: England

('Probability of England winning: ', '0.579')

('Probability of Tie: ', '0.301')

('Probability of Belgium winning: ', '0.121')

OTTAVI DI FINALE

```
group_16 = [('Russia', 'Portugal'),  
            ('France', 'Croatia'),  
            ('Brazil', 'Sweden'),  
            ('England', 'Poland'),  
            ('Spain', 'Uruguay'),  
            ('Argentina', 'Denmark'),  
            ('Germany', 'Switzerland'),  
            ('Colombia', 'Belgium')]
```

Portugal and Russia

Tie

('Probability of Portugal winning: ', '0.394')

('Probability of Tie: ', '0.351')

('Probability of Russia winning: ', '0.254')

France and Croatia

Winner: France

('Probability of France winning: ', '0.501')

('Probability of Tie: ', '0.222')

('Probability of Croatia winning: ', '0.277')

Brazil and Sweden

Winner: Brazil

('Probability of Brazil winning: ', '0.729')

('Probability of Tie: ', '0.186')

('Probability of Sweden winning: ', '0.085')

Poland and England

Winner: England

('Probability of Poland winning: ', '0.225')

('Probability of Tie: ', '0.346')

('Probability of England winning: ', '0.429')

Spain and Uruguay

Winner: Spain

('Probability of Spain winning: ', '0.662')

('Probability of Tie: ', '0.181')

('Probability of Uruguay winning: ', '0.156')

Argentina and Denmark

Winner: Argentina

('Probability of Argentina winning: ', '0.720')

('Probability of Tie: ', '0.178')

('Probability of Denmark winning: ', '0.103')

Germany and Switzerland

Winner: Germany

('Probability of Germany winning: ', '0.672')

('Probability of Tie: ', '0.209')
('Probability of Switzerland winning: ', '0.119')

Belgium and Colombia

Winner: Belgium

('Probability of Belgium winning: ', '0.491')
('Probability of Tie: ', '0.280')
('Probability of Colombia winning: ', '0.229')

QUARTI DI FINALE

```
quarters = [('Portugal', 'France'),  
            ('Spain', 'Argentina'),  
            ('Brazil', 'England'),  
            ('Germany', 'Belgium')]
```

Portugal and France

Winner: Portugal

('Probability of Portugal winning: ', '0.385')
('Probability of Tie: ', '0.320')
('Probability of France winning: ', '0.296')

Argentina and Spain

Winner: Argentina

('Probability of Argentina winning: ', '0.507')
('Probability of Tie: ', '0.305')
('Probability of Spain winning: ', '0.188')

Brazil and England

Winner: Brazil

('Probability of Brazil winning: ', '0.613')
('Probability of Tie: ', '0.233')
('Probability of England winning: ', '0.153')

Germany and Belgium

Winner: Germany

('Probability of Germany winning: ', '0.619')
('Probability of Tie: ', '0.261')
('Probability of Belgium winning: ', '0.120')

SEMI

```
semi = [('Portugal', 'Argentina'),  
        ('Brazil', 'Germany')]
```

Portugal and Argentina

Winner: Portugal

('Probability of Portugal winning: ', '0.340')
('Probability of Tie: ', '0.329')
('Probability of Argentina winning: ', '0.331')

Germany and Brazil

Winner: Germany

('Probability of Germany winning: ', '0.456')
('Probability of Tie: ', '0.226')
('Probability of Brazil winning: ', '0.318')

FINAL

```
finals = [('Portugal', 'Germany')]
```

Germany and Portugal

Winner: Germany

('Probability of Germany winning: ', '0.629')

('Probability of Tie: ', '0.213')

('Probability of Portugal winning: ', '0.158')

THE WINNER IS : ANGELA MERKEL