



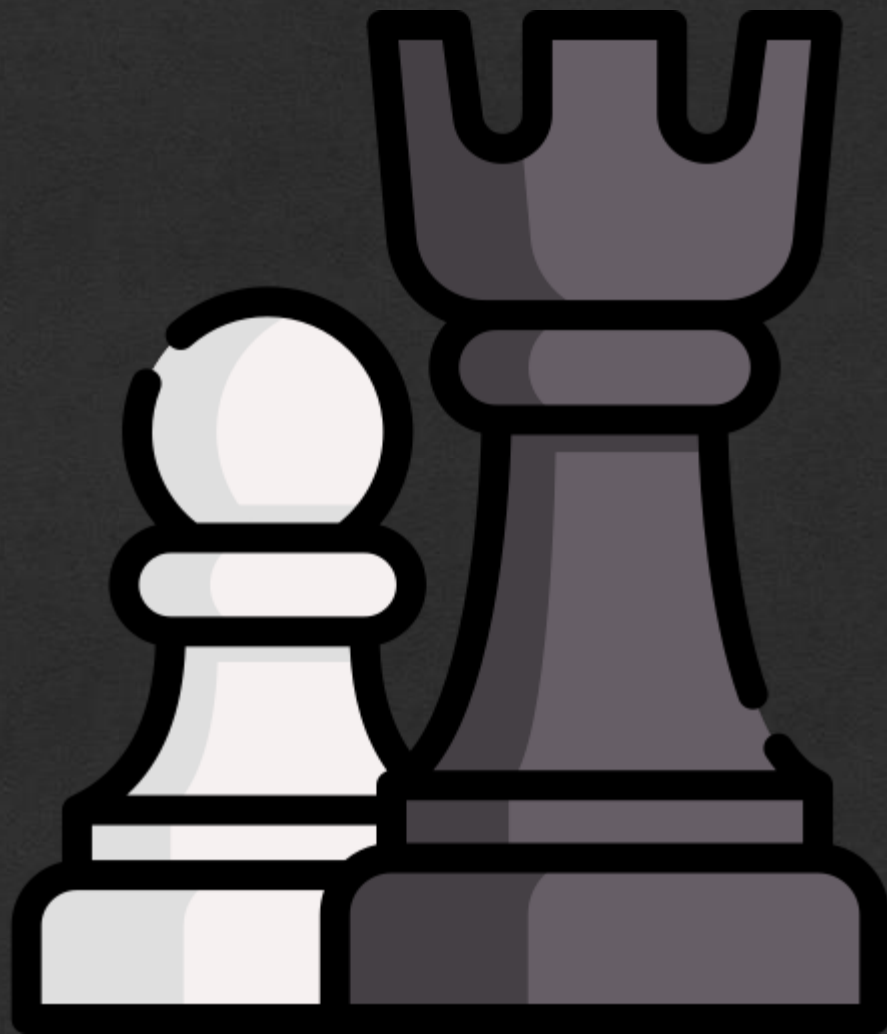
Corso di Laurea in Informatica

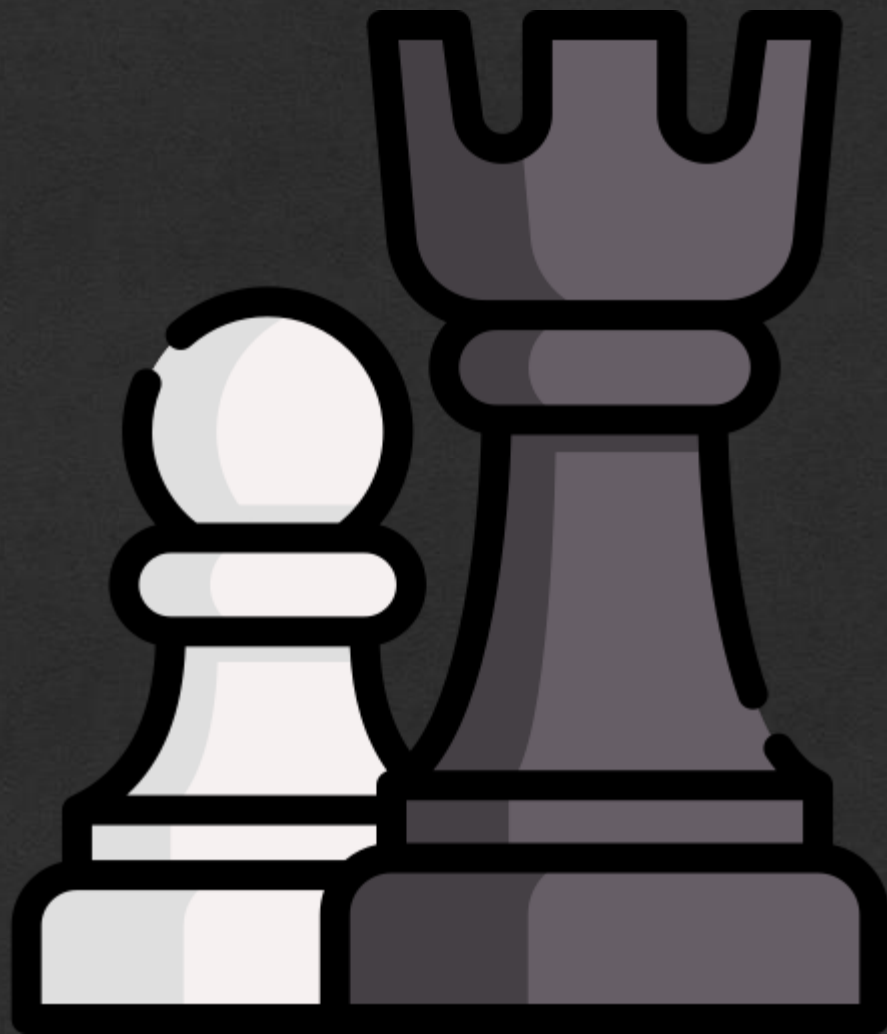
Tecniche di Intelligenza Artificiale applicate al gioco degli Scacchi

Prof. Fabio Palomba
Dott. Giammaria Giordano

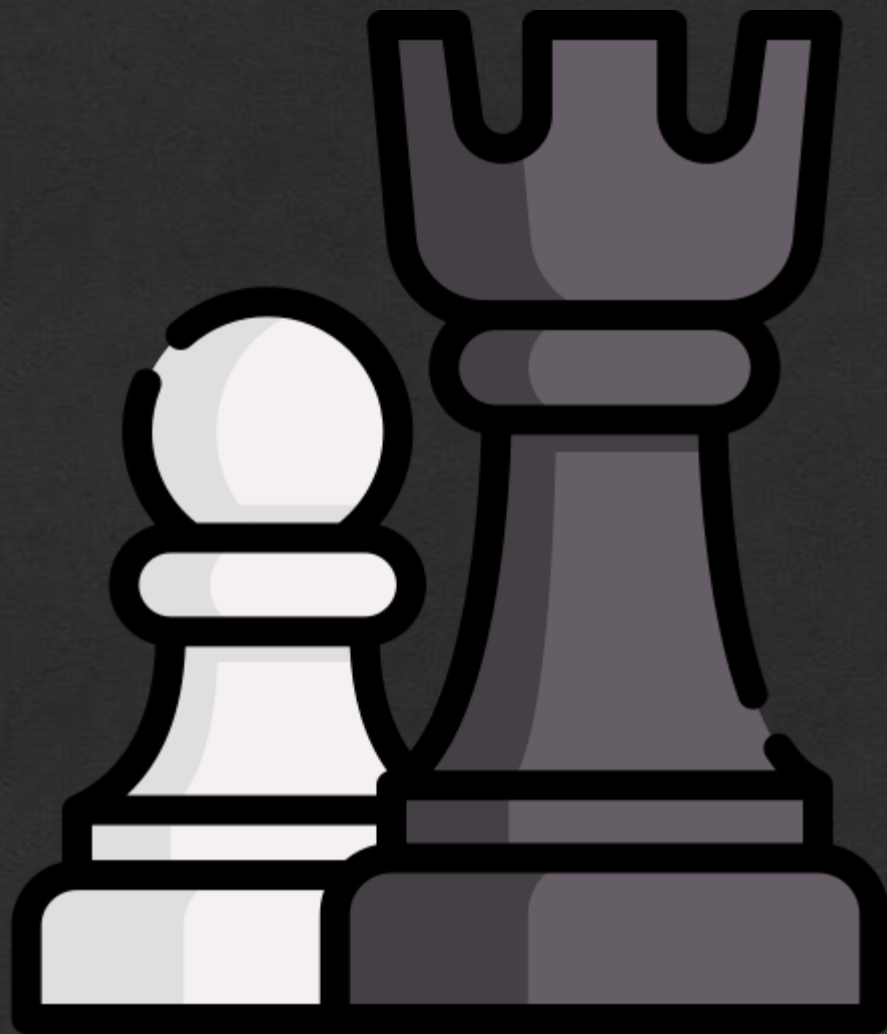
Vincenzopio Amendola
Mat.: 0512106935







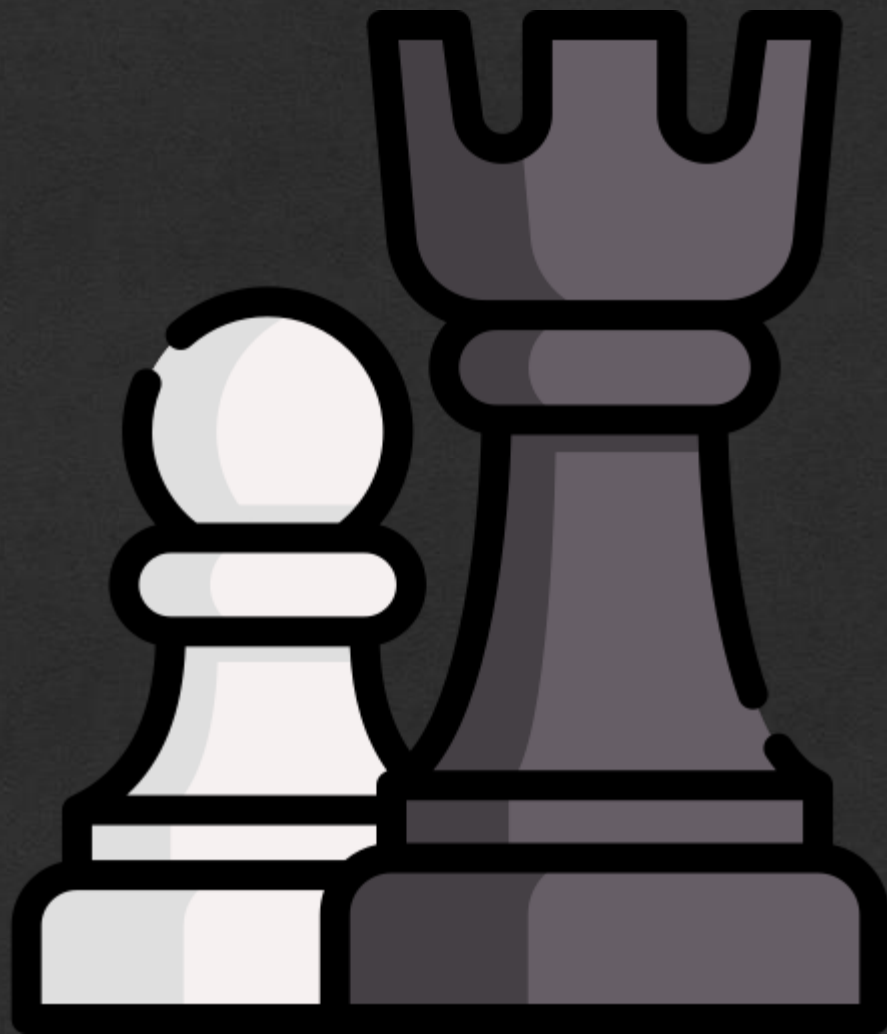
Introduzione e Background ○



Introduzione e
Background



Metodologie e
risultati ottenuti

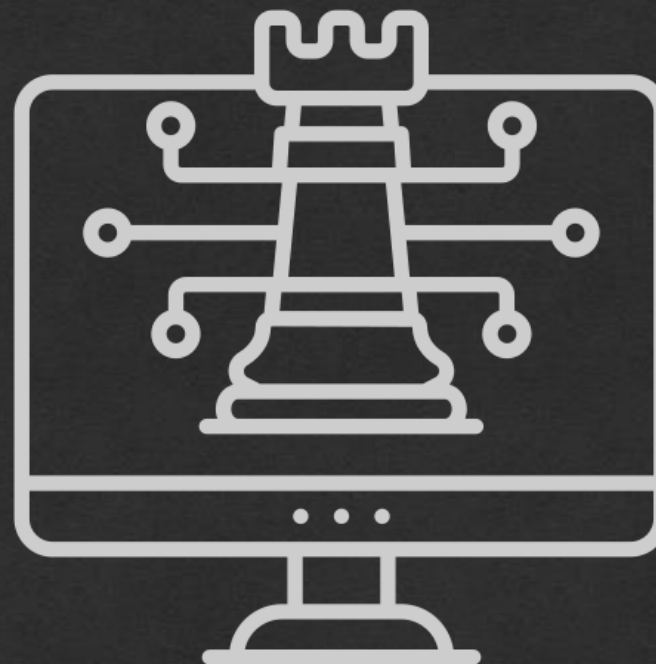


Introduzione e
Background

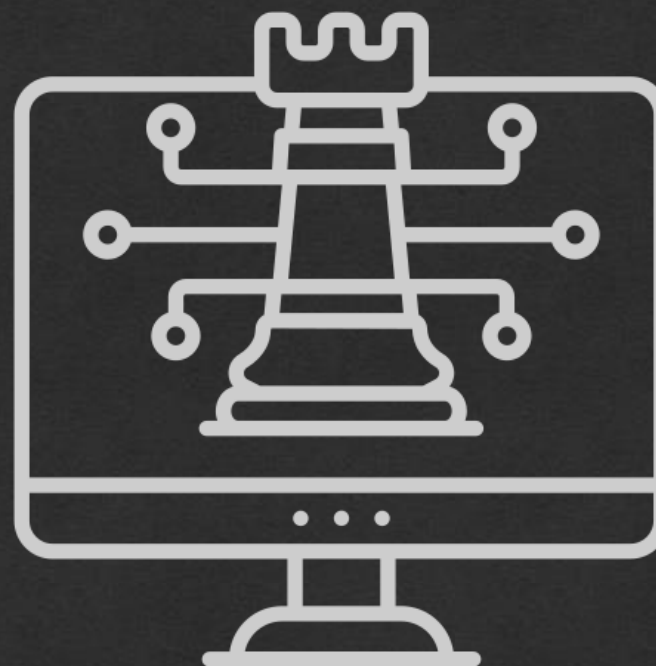
Metodologie e
risultati ottenuti

Conclusioni e
sviluppi futuri

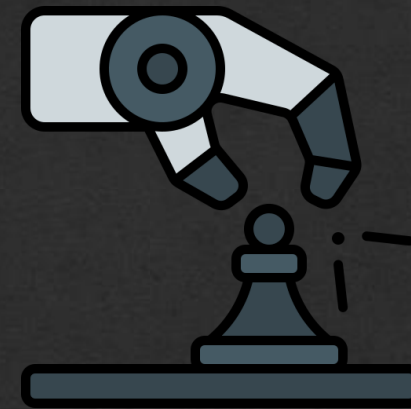
Introduzione e Background



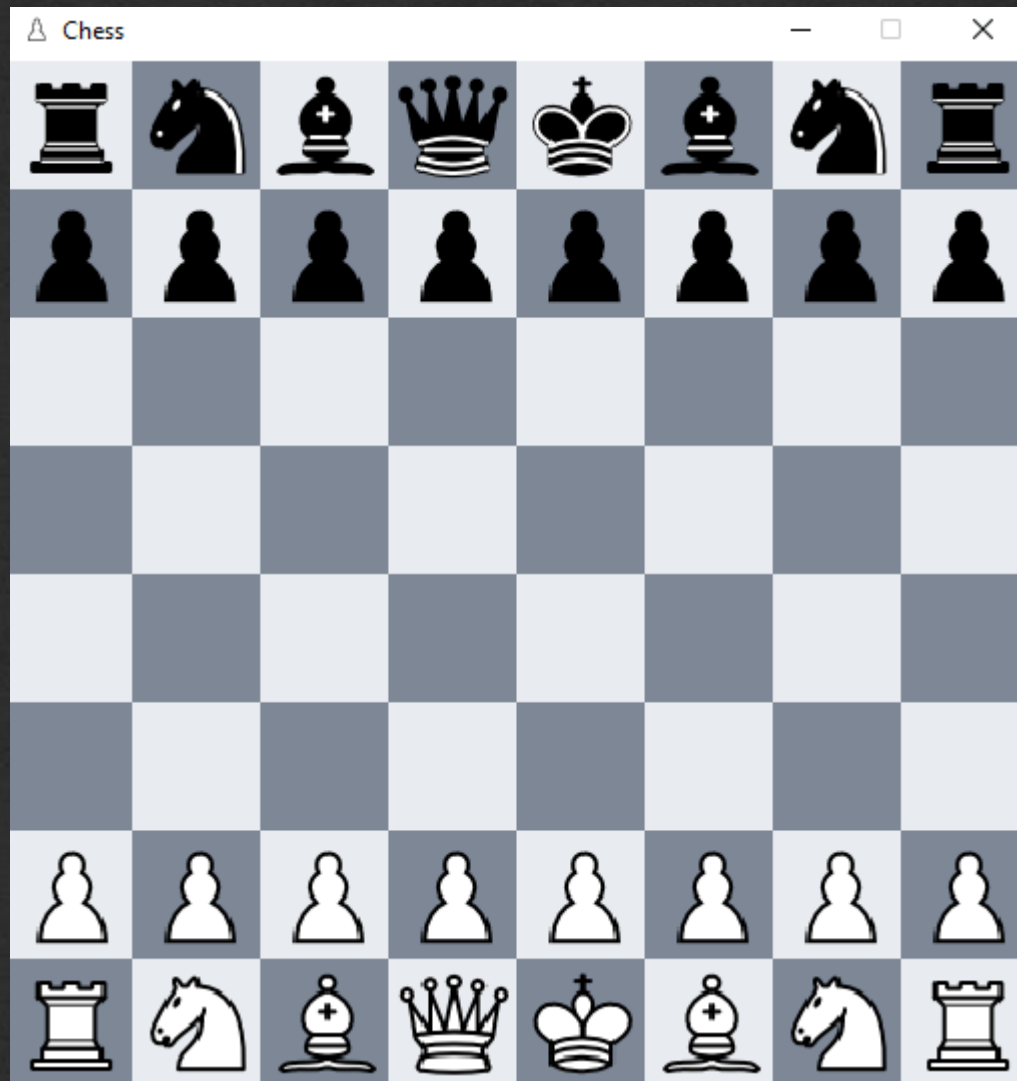
Una delle sfide più impegnative dell'Intelligenza Artificiale

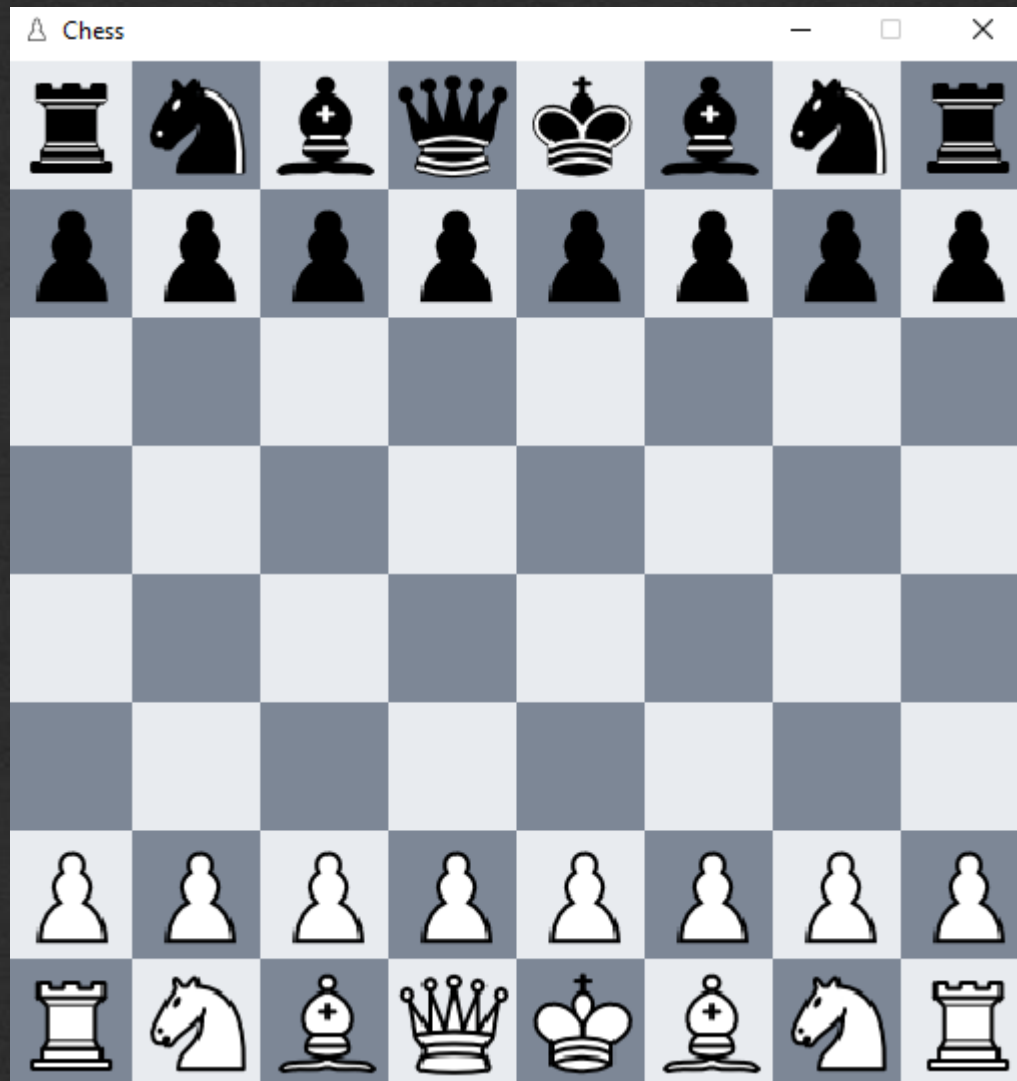






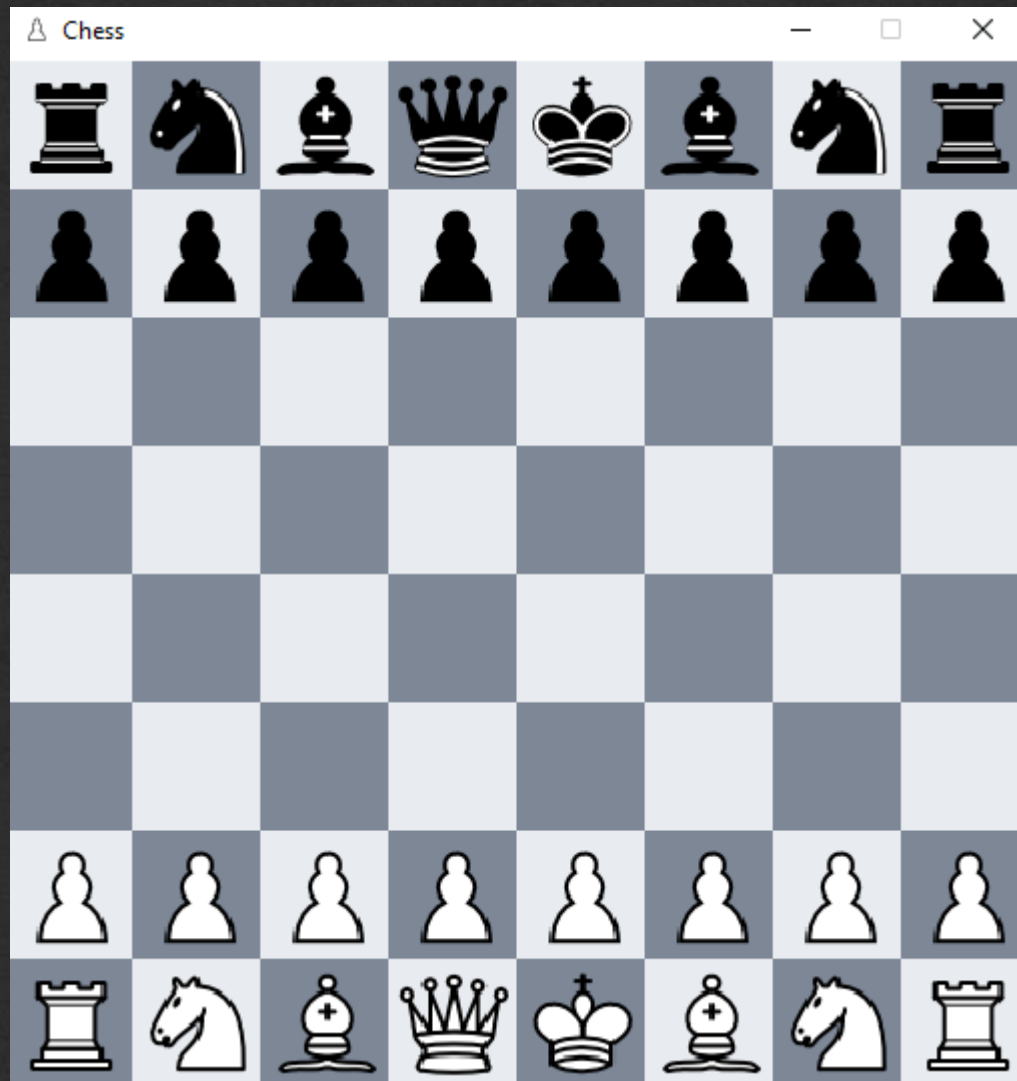
Interfaccia grafica





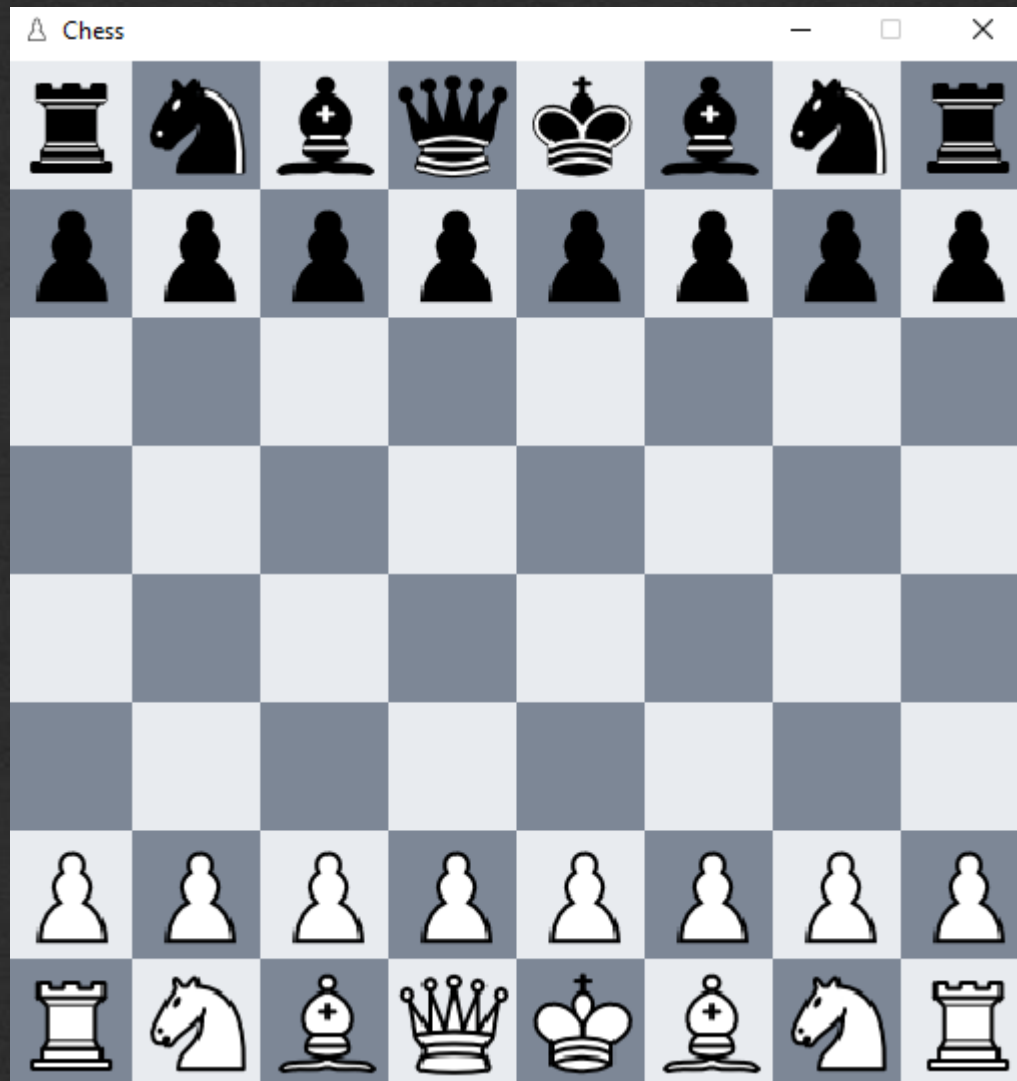
Algoritmo naive

Interfaccia grafica



Algoritmo naive

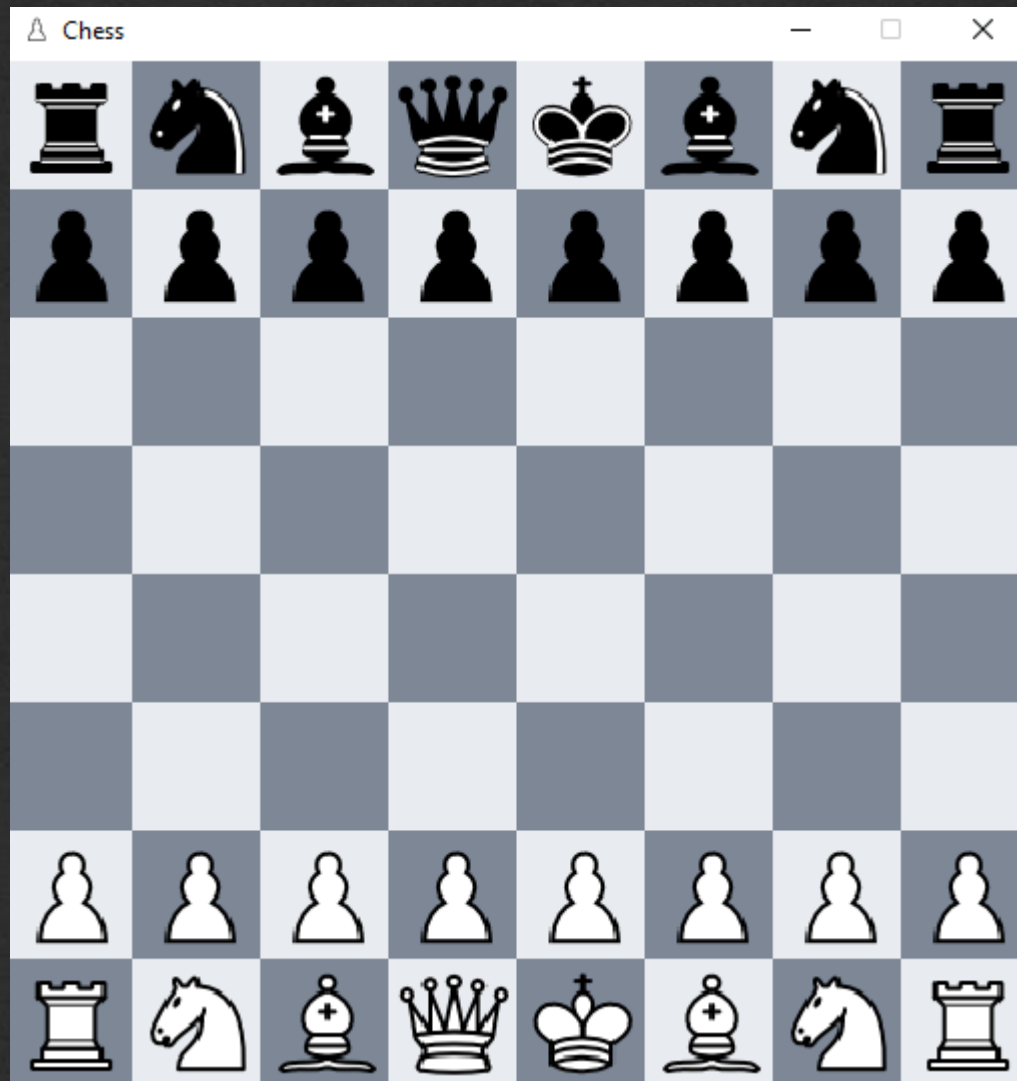




Algoritmo naive



Algoritmo greedy

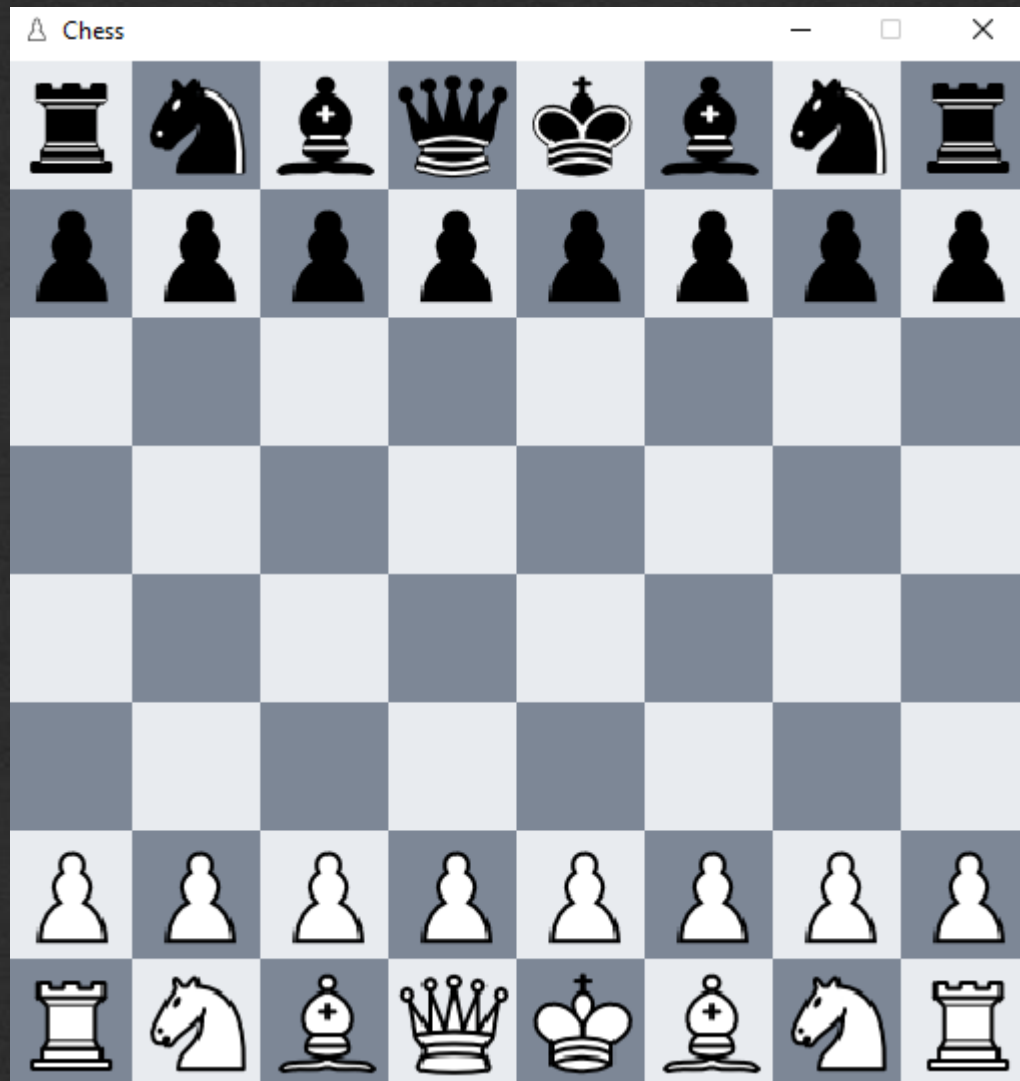


Algoritmo naive



Algoritmo greedy





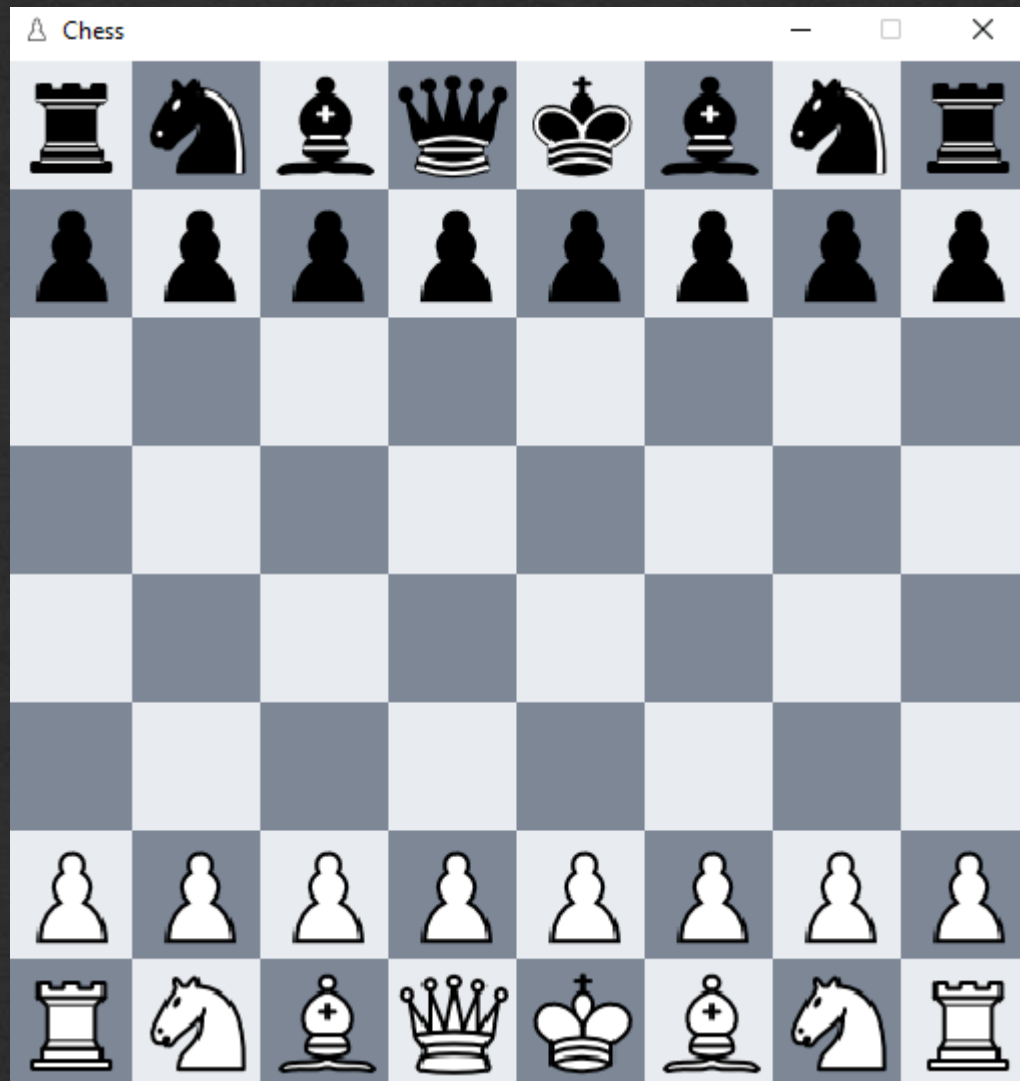
Algoritmo naive



Algoritmo greedy



Algoritmo minimax



Algoritmo naive

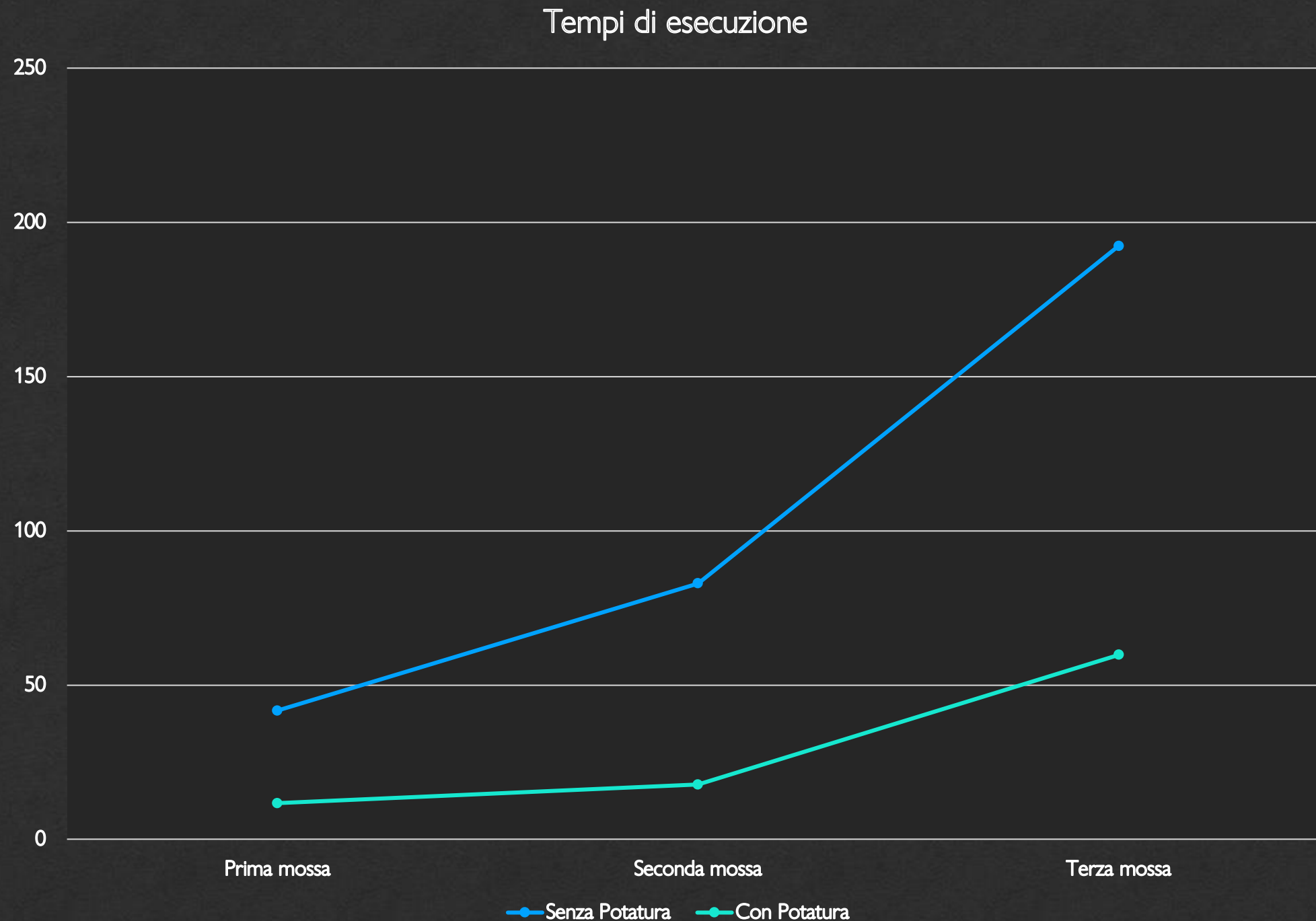


Algoritmo greedy



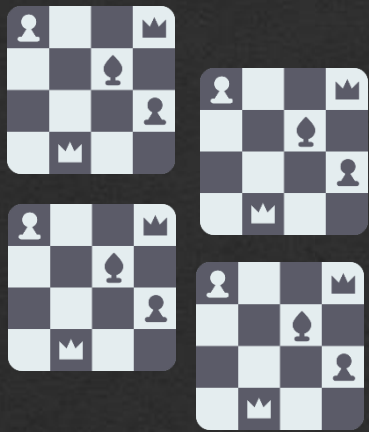
Algoritmo minimax



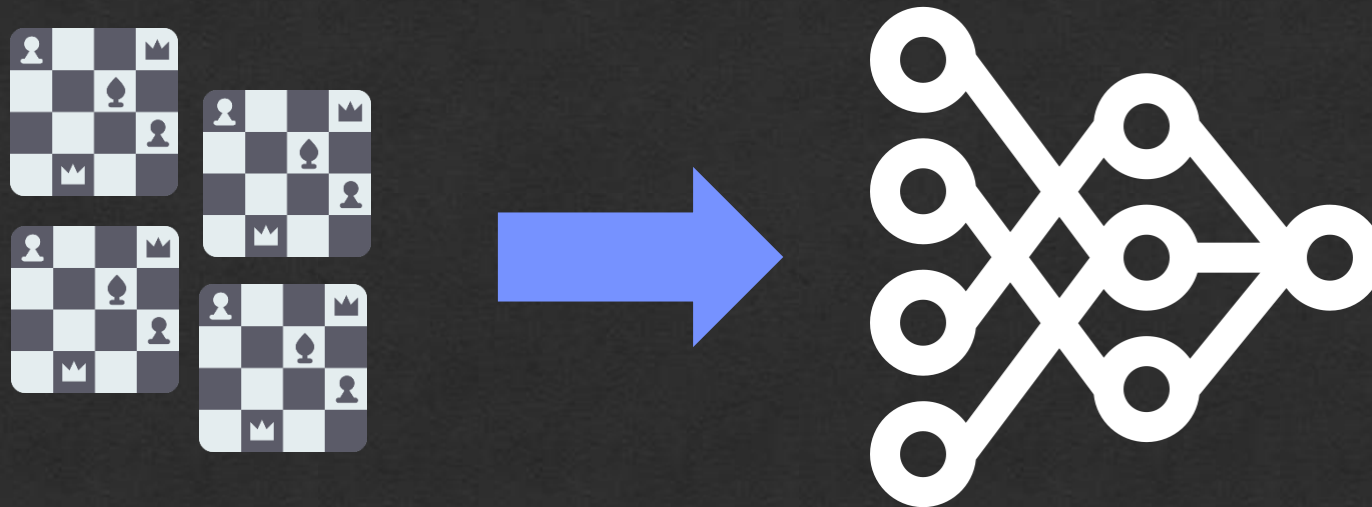


Motore scacchistico

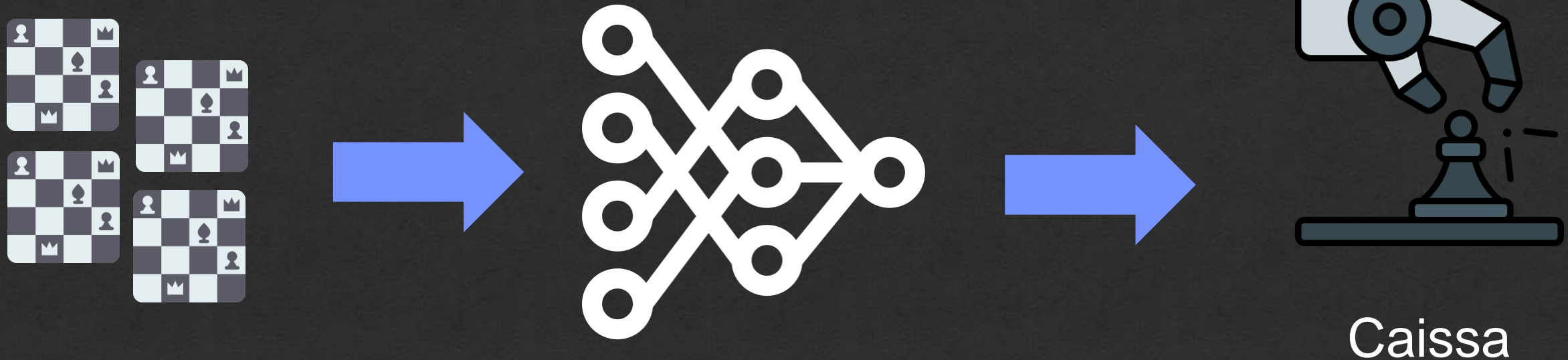
Motore scacchistico



Motore scacchistico

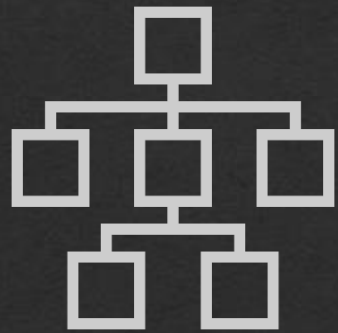


Motore scacchistico

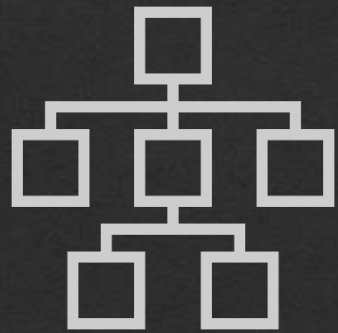


	Vittorie	Sconfitte	Patte
Gamma (1190)	0	98	2
Beta (870)	0	85	15
Alpha (512)	0	64	36

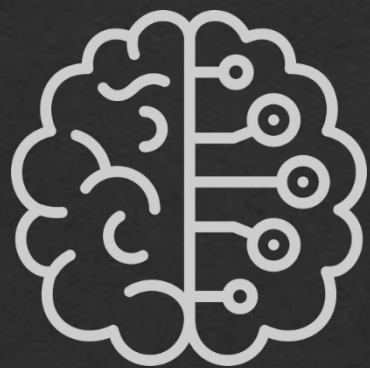
Esiti delle partite di Caissa contro Gamma, Beta e Alpha



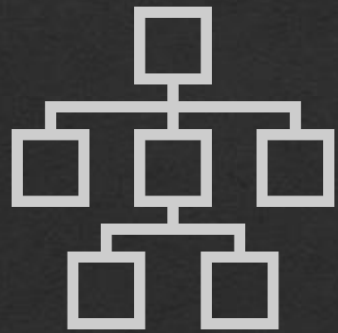
Ricerca di nuovi algoritmi



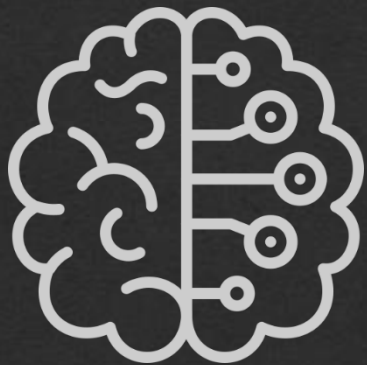
Ricerca di nuovi algoritmi



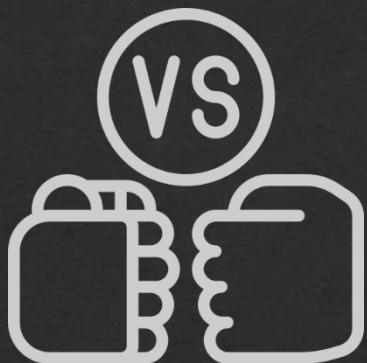
Revisione delle tecniche di Machine Learning



Ricerca di nuovi algoritmi

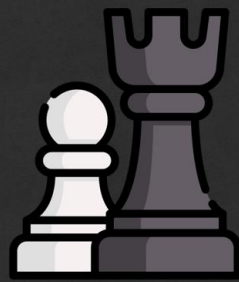


Revisione delle tecniche di Machine Learning



Sviluppo di uno strumento di *Self-Play*

Overview



Metodologia



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Risultati



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Esiti delle partite di Caissa contro Gamma, Beta e Alpha

Sviluppi futuri



Ricerca di nuovi algoritmi



Revisione delle tecniche di Machine Learning



Sviluppo di uno strumento di *Self-Play*

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Tecniche di Intelligenza Artificiale applicate al gioco degli Scacchi



Grazie!

Vincenzopio Amendola

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Questa tesi ha contribuito a piantare Caissa, un albero in Kenya

