

BÁO CÁO

BÀI TẬP 06 – TỔNG QUÁT HÓA, ĐẶC BIỆT HÓA VÀ ĐA HÌNH

1 THÔNG TIN CƠ BẢN

STT	MSSV	HỌ TÊN
1	1612288	Nguyễn Khắc Nguyên Khang
1	1612291	Nguyễn Thị Ngân Khánh
2	1612296	Tạ Ngọc Duy Khoa

2 CHỨC NĂNG CHƯƠNG TRÌNH

2.1 Phát sinh ngẫu nhiên mỗi Team 5 chiến binh thuộc chủng tộc tương ứng, in ra màn hình theo cú pháp mặc định

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<=====Welcome to Starcraft III=====>
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<==Team A==>  Terran
Wraith (Air|120)
Marine (Ground|80)
Firebat (Ground|100)
Wraith (Air|120)
Marine (Ground|80)
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<==Team B==>  Protoss
Dragoon (Ground|90/30)
Dragoon (Ground|90/30)
Scout (Air|100/40)
Scout (Air|100/40)
Scout (Air|100/40)
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```

2.2 Protoss tấn công Terran: Toàn bộ lính Protoss tấn công Terran theo thứ tự trong 1 đợt

```
One day, Protosses attacked Terrans...
Dragoon (Ground|90/30) attacks Wraith (Air|120) >>>> Wraith (Air|100)
Dragoon (Ground|90/30) attacks Marine (Ground|80) >>>> Marine (Ground|60)
Scout (Air|100/40) attacks Firebat (Ground|100) >>>> Firebat (Ground|92)
Scout (Air|100/40) attacks Wraith (Air|120) >>>> Wraith (Air|112)
Scout (Air|100/40) attacks Marine (Ground|80) >>>> Marine (Ground|72)
```

2.3 Terran tấn công Protoss: Toàn bộ Terran phân công Protoss theo thứ tự trong 1 đợt

```
And... Terrans decided to AVENGE.
Wraith (Air|100) attacks Dragoon (Ground|90/30) >>>> Dragoon (Ground|90/22)
Marine (Ground|60) attacks Dragoon (Ground|90/30) >>>> Dragoon (Ground|90/18)
Firebat (Ground|92) attacks Scout (Air|100/40) >>>> Scout (Air|100/40)
Wraith (Air|112) attacks Scout (Air|100/40) >>>> Scout (Air|100/20)
Marine (Ground|72) attacks Scout (Air|100/40) >>>> Scout (Air|100/28)
```

2.4 Hãy cho 2 đội tấn công luân phiên liên tục cho đến khi một trong 2 đội không còn lính nào (cho phép chọn một trong bốn chiến thuật trước khi bắt đầu trận đấu).

```
And the war began...
Choose attacking mode:
1. Randomly attack
2. Randomly attack enemy that is possible.
3. Attack attackable and least-HP enemy.
4. Attack attackable and most powerful enemy.
You choose
```


Wraith (Air|112) attacks Dragoon (Ground|32/0) >>>> Dragoon (Ground|24/0)
Marine (Ground|16) attacks Dragoon (Ground|24/0) >>>> Dragoon (Ground|12/0)
Wraith (Air|100) attacks Dragoon (Ground|12/0) >>>> Dragoon (Ground|4/0)

Protoss attacked attackable and least-HP Terran...

Dragoon (Ground|4/0) attacks Marine (Ground|16) >>>> Marine (Ground|0)
Dragoon (Ground|90/18) attacks Firebat (Ground|92) >>>> Firebat (Ground|72)
Scout (Air|100/40) attacks Firebat (Ground|72) >>>> Firebat (Ground|64)

Terran attacked attackable and least-HP Protoss...

Wraith (Air|100) attacks Dragoon (Ground|4/0) >>>> Dragoon (Ground|0/0)
Firebat (Ground|64) attacks Dragoon (Ground|90/18) >>>> Dragoon (Ground|90/0)
Wraith (Air|112) attacks Dragoon (Ground|90/0) >>>> Dragoon (Ground|82/0)
Wraith (Air|100) attacks Dragoon (Ground|82/0) >>>> Dragoon (Ground|74/0)

Protoss attacked attackable and least-HP Terran...

Dragoon (Ground|74/0) attacks Firebat (Ground|64) >>>> Firebat (Ground|44)
Scout (Air|100/40) attacks Firebat (Ground|44) >>>> Firebat (Ground|36)
Scout (Air|100/20) attacks Firebat (Ground|36) >>>> Firebat (Ground|28)

Terran attacked attackable and least-HP Protoss...

Wraith (Air|100) attacks Dragoon (Ground|74/0) >>>> Dragoon (Ground|66/0)
Firebat (Ground|28) attacks Dragoon (Ground|66/0) >>>> Dragoon (Ground|48/0)
Wraith (Air|112) attacks Dragoon (Ground|48/0) >>>> Dragoon (Ground|40/0)
Wraith (Air|100) attacks Dragoon (Ground|40/0) >>>> Dragoon (Ground|32/0)

Protoss attacked attackable and least-HP Terran...

Dragoon (Ground|32/0) attacks Firebat (Ground|28) >>>> Firebat (Ground|8)

Wraith (Air|80) attacks Scout (Air|48/0) >>>> Scout (Air|28/0)

Protoss attacked attackable and least-HP Terran...

Scout (Air|28/0) attacks Wraith (Air|80) >>>> Wraith (Air|72)

1. Randomly attack

Terran attacked attackable and least-HP Protoss...

Wraith (Air|72) attacks Scout (Air|28/0) >>>> Scout (Air|8/0)

4. Attack attackable and most powerful enemy.

Protoss attacked attackable and least-HP Terran...

Scout (Air|8/0) attacks Wraith (Air|72) >>>> Wraith (Air|64)

Terran attacked attackable and least-HP Protoss...

Wraith (Air|64) attacks Scout (Air|8/0) >>>> Scout (Air|0/0)

Trận đấu kết thúc

<<=====>>

After a long period of war...

The last warrior of the Protosses has GONE!

And the Terrans WON!

2.5 Lưu trữ diễn biến trận đấu trong file txt

```
Protoss.cpp  Terran.cpp  zlog.txt  1612288-1612291-1612296.cpp  Starcraft.cpp
116
117 Protoss randomly attacked Terran that is possible...
118 Dragoon (Ground|70/0) attacks Wraith (Air|56) >>>> Wraith (Air|36)
119
120 Terran randomly attacked Protoss that is possible...
121 Wraith (Air|36) attacks Dragoon (Ground|70/0) >>>> Dragoon (Ground|62/0)
122 Wraith (Air|36) attacks Dragoon (Ground|76/0) >>>> Dragoon (Ground|68/0)
123 Wraith (Air|36) attacks Dragoon (Ground|68/0) >>>> Dragoon (Ground|60/0)
124
125 Protoss randomly attacked Terran that is possible...
126 Dragoon (Ground|62/0) attacks Wraith (Air|36) >>>> Wraith (Air|16)
127
128 Terran randomly attacked Protoss that is possible...
129 Wraith (Air|16) attacks Dragoon (Ground|62/0) >>>> Dragoon (Ground|54/0)
130 Wraith (Air|16) attacks Dragoon (Ground|54/0) >>>> Dragoon (Ground|46/0)
131 Wraith (Air|16) attacks Dragoon (Ground|52/0) >>>> Dragoon (Ground|44/0)
132
133 Protoss randomly attacked Terran that is possible...
134 Dragoon (Ground|46/0) attacks Wraith (Air|16) >>>> Wraith (Air|0)
135
136
137 <<=====>>
138 After a long period of war...
139 The last warrior of the Terrans has GONE!
140 And the Protosses WON!
141 <=====The End=====>
142
143 -----
144 ==STARCRAFT==
145 A game by:
146 1612288. Nguyen Khac Nguyen Khang
147 1612291. Nguyen Thi Ngan Khanh
148 1612296. Ta Ngoc Duy Khoa
149 <<16CTT2-IT-HCMUS>>
150 |
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3 PHÂN CÔNG CÔNG VIỆC

STT	Công việc	Thành viên
1	Class Starcraft (3) Báo cáo UML	1612288 – Nguyễn Khắc Nguyên Khang
2	Class Warrior , Marine, Firebat, Wraith, Dragoon, Scout, Zealot (1) Báo cáo phân công	1612291 – Nguyễn Thị Ngân Khánh
3	Class Protoss, Terran (2) Tìm hiểu đồ họa	1612296 – Tạ Ngọc Duy Khoa