**Instrument Version**

<?php namespace Triangle;

class Triangle{

private $A,$B,$C;

public function \_\_construct(int $A,int $B,int $C){

$this->A = $A;

$this->B = $B;

$this->C = $C;

}

public function getType(): array{

$answer = array('path'=>array(), 'answer'=> 'out of range' );

$isOutOfRange = false;

array\_push($answer['path'],'1');

array\_push($answer['path'],'2');

if(!($this->C >= 1 && $this->C <= 200)){

$answer['answer'] = 'C '.$answer['answer'];

$isOutOfRange = true;

array\_push($answer['path'],'3');

}

array\_push($answer['path'],'4');

if(!($this->B >= 1 && $this->B <= 200)){

$answer['answer'] = 'B '.$answer['answer'];

$isOutOfRange = True;

array\_push($answer['path'],'5');

}

array\_push($answer['path'],'6');

if(!($this->A >= 1 && $this->A <= 200)){

$answer['answer'] = 'A '.$answer['answer'];

$isOutOfRange = true;

array\_push($answer['path'],'7');

}

array\_push($answer['path'],'8');

if(!$isOutOfRange)

{

array\_push($answer['path'],'9');

if($this->A >= $this->B + $this->C){

$answer['answer'] = 'Not a triangle';

array\_push($answer['path'],'10');

}

else {

array\_push($answer['path'],'11');

if($this->B >= $this->A + $this->C){

$answer['answer'] = 'Not a triangle';

array\_push($answer['path'],'12');

}

else {

array\_push($answer['path'],'13');

if($this->C >= $this->A + $this->B){

$answer['answer'] = 'Not a triangle';

array\_push($answer['path'],'14');

}

else {

array\_push($answer['path'],'15');

if($this->A == $this->B && $this->B == $this->C){

$answer['answer'] = 'Equilateral';

array\_push($answer['path'],'16');

}

else {

array\_push($answer['path'],'17');

if($this->A == $this->B && $this->B != $this->C){

$answer['answer'] = 'Isosceles';

array\_push($answer['path'],'18');

}

else {

array\_push($answer['path'],'19');

if($this->B == $this->C && $this->A != $this->B){

$answer['answer'] = 'Isosceles';

array\_push($answer['path'],'20');

}

else

{

array\_push($answer['path'],'21');

if($this->A == $this->C && $this->A != $this->B) {

$answer['answer'] = 'Isosceles';

array\_push($answer['path'],'22');

}

else {

$answer['answer'] = 'Scalene';

array\_push($answer['path'],'23');

}

}

}

}

}

}

}

}

array\_push($answer['path'],'24');

return $answer;

}

}